



F3101/3106

Europe – EU Declaration of Conformity

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC:
This device is a 2.4 GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries, except in France and Italy where restrictive use applies.

In Italy the end-user should apply for a license at the national spectrum authorities in order to obtain authorization to use the device for setting up outdoor radio links and/or for supplying public access to telecommunications and/or network services.

This device may not be used for setting up outdoor radio links in France and in some areas the RF output power may be limited to 10 mW EIRP in the frequency range of 2454 – 2483.5 MHz. For detailed information the end-user should contact the national spectrum authority in France.

Clause	Description
EN 60950-1: 2001	Safety of Information Technology Equipment
EN 50392: 2004	Generic standard to demonstrate the compliance of electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (0 Hz - 300 GHz)
EN 300 328 V (2004-11)	Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive
EN 301 489-17 V (2002-08) and EN 301 489-1 V1.5.1 (2004-11)	Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2,4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment

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Česky [Czech]	[Jméno výrobce] tímto prohlašuje, že tento [typ zařízení] je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.	Lietuvių [Lithuanian]	Šiuo [manufacturer name] deklaruojas, kad šis [equipment type] atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Dansk [Danish]	Undertegnede [fabrikantens navn] erklærer herved, at følgende udstyr [udstyrets typebetegnelse] overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EU.	Nederlands [Dutch]	Hierbij verklaart [naam van de fabrikant] dat het toestel [type van toestel] in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Deutsch [German]	Hiermit erklärt [Name des Herstellers], dass sich das Gerät [Gerätetyp] in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.	Malti [Maltese]	Hawnhekk, [isem tal-manifattur], jiddikjara li dan [il-mudel tal-prodott] jikkonforma mal-ħtigijiet essenziali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.
Eesti [Estonian]	Käesolevaga kinnitab [tootja nimi = name of manufacturer] seadme [seadme tüüp = type of equipment] vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.	Magyar [Hungarian]	Alulírott, [gyártó neve] nyilatkozom, hogy a [... típus] megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
English	Hereby, [name of manufacturer], declares that this [type of equipment] is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.	Polski [Polish]	Niniejszym [nazwa producenta] oświadcza, że [nazwa wyrobu] jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
Español [Spanish]	Por medio de la presente [nombre del fabricante] declara que el [clase de equipo] cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.	Português [Portuguese]	[Nome do fabricante] declara que este [tipo de equipamento] está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ [name of manufacturer] ΔΗΛΩΝΕΙ ΟΤΙ [type of equipment] ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/EK.	Slovensko [Slovenian]	[Ime proizvajalca] izjavlja, da je ta [tip opreme] v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Français [French]	Par la présente [nom du fabricant] déclare que l'appareil [type d'appareil] est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.	Slovensky [Slovak]	[Meno výrobcu] týmto vyhlasuje, že [typ zariadenia] splňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Italiano [Italian]	Con la presente [nome del costruttore] dichiara che questo [tipo di apparecchio] è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.	Suomi [Finnish]	[Valmistaja = manufacturer] vakuuttaa täten että [type of equipment = laitteen typpimerkintä] tyypin laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Latviski [Latvian]	Ar šo [name of manufacturer / izgatavotāja nosaukums] deklarē, ka [type of equipment / iekārtas tips] atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.	Svenska [Swedish]	Härmed intygar [företag] att denna [utrustningstyp] står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IEEE 802.11b or 802.11g operation of this product in the U.S.A. is firmware-limited to channels 1 through 11.

IMPORTANT NOTE

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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Introduction



Basic Connection

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Wireless Connection



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Introduction

The **F3101/3106** is an ultra-compact H.264 Megapixel IP Camera equipped with a high sensitivity progressive scan CMOS sensor, achieving high image quality and superior low-light performance. **F3106** also supports 802.11b/g/n wireless connection with WPS and local storage with SD/SDHC supported.



Key Features:

- Maximum Resolution 1280x1024 (1.3MP)
- DDNS Supported
- Simultaneous H.264, MPEG-4 and Motion JPEG video stream
- up to 15 fps in 1280x1024
- **IEEE 802.11g/b/n Wireless Networks Connection (F3106)**
- Two-way Audio with Built-In Microphone and audio detection
- **Support Mac OS and iPhone**
- **Support Live Video Viewing on Windows Live Messenger**
- Mobile Phone Streaming Live Video through 3GPP / ISMA / RTSP
- Mobile Phone Live Image through 2.5 WAP
- Multi-level Password Protection for Restricting Camera Access
- Built-In Multi-Window Motion Detection (3 detection areas)
- Video Buffer makes the Streaming Smoother
- **Local Storage with SD/SDHC card Supported**
- **Support UPnP**
- **Free Bundled Web-based 9 Channel Surveillance Software (EZvuu)**

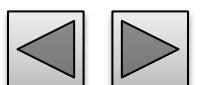


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Basic Connection

Wired Connection

1. Connect the power adaptor to IP Camera.
2. Connect IP Camera' Ethernet port to your Hub/ Switch / Router

Wireless Connection (Only IP1050)

1. Connect the power adaptor to IP Camera.
2. Connect to Wi-Fi

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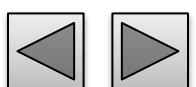
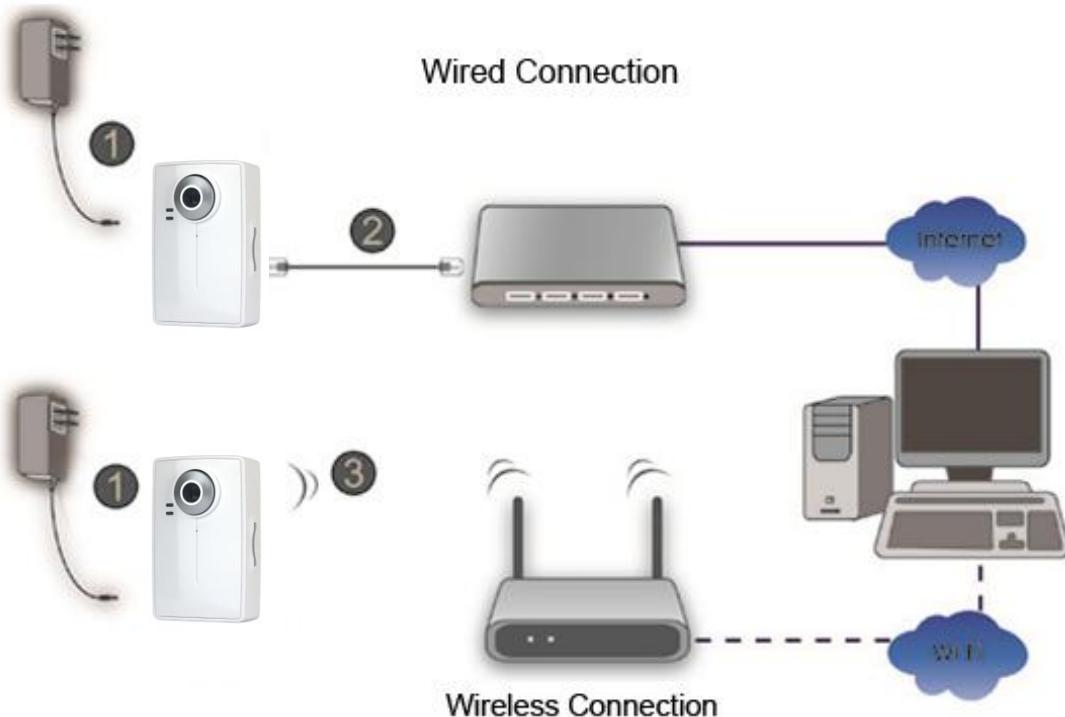
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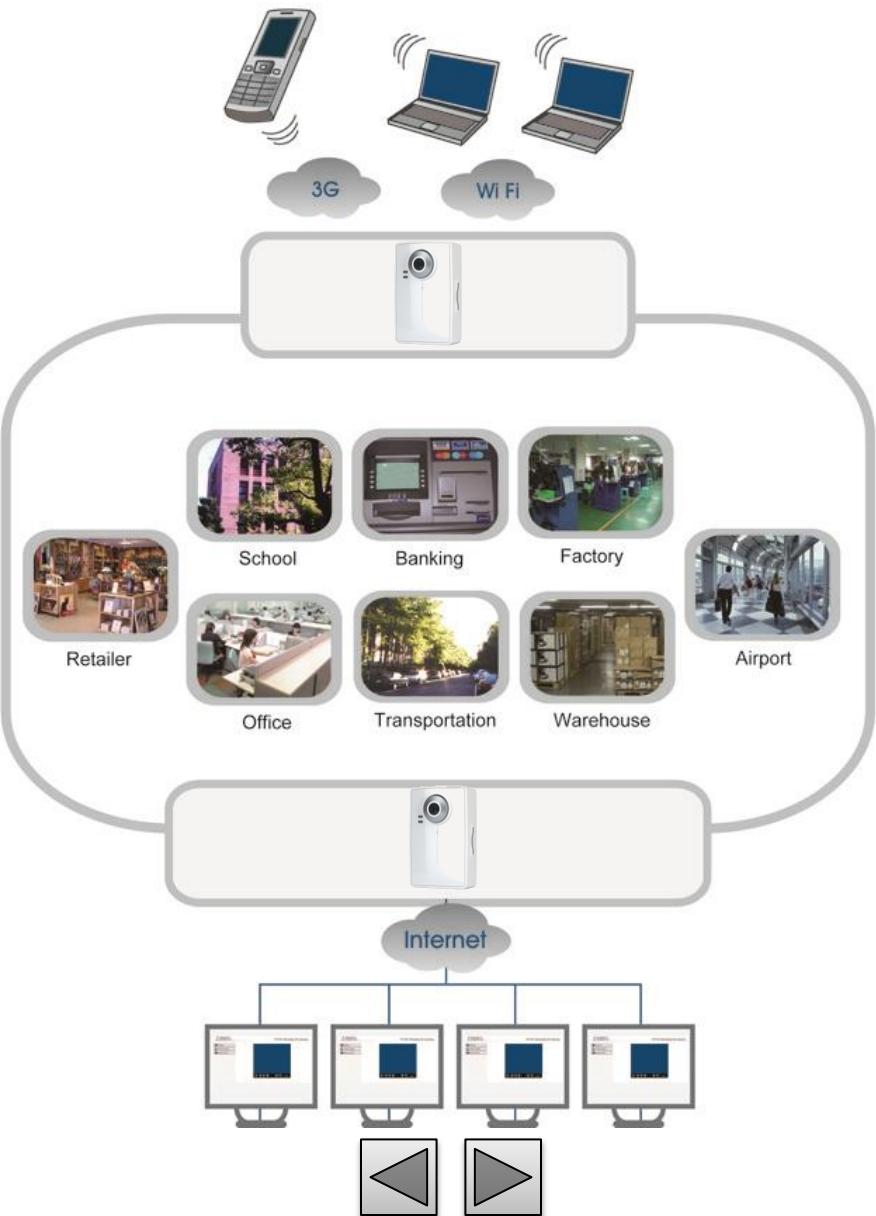


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Minimum System Requirement



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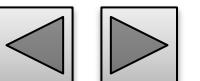
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Safety Instruction

Before you use this product

This product has been designed with safety in mind. However, the electrical products can cause fires which may lead to serious body injury if not used properly. To avoid such accidents, be sure to heed the following.

Legal Caution

Video and audio surveillance can be forbidden by laws that vary from country to country. Check the laws in your local region before using this product for surveillance purposes.

Don't open the housing of the product

Don't try to open the housing or remove the covers which may expose yourself to dangerous voltage or other hazards.

Don't use the accessories not recommend by the manufacturer

Heed the safety precautions

Be sure to follow the general safety precautions and the "Operation Notice."

Operation Notice - Operating or storage location

Avoid operating or storing the camera in the following locations:

Extremely hot or cold places

(Operating temperature: 0 °C to + 50 °C [32 °F to 122°F])

Exposed to direct sunlight for a long time, or close to heating equipment (e.g., near heaters)

Close to water (e.g., near a bathtub, kitchen sink, laundry tub)

Close to sources of strong magnetism

Close to sources of powerful electromagnetic radiation, such as radios or TV transmitters

Locations subject to strong vibration or shock

In case of a breakdown

In case of system breakdown, discontinue use and contact your authorized dealer.

In case of abnormal operation

If the unit emits smoke or an unusual smell,
If water or other foreign objects enter the cabinet, or
If you drop the unit or damage the cabinet:
1 Disconnect the cable and the connecting cables.
2 Contact your authorized dealer or the store where you purchased the product.

Transportation

When transporting the camera, repack it as originally packed at the factory or in materials of equal quality.

Ventilation

To prevent heat buildup, do not block air circulation around the device.

Cleaning

Use a soft, dry cloth to clean the external surfaces of the device. Stubborn stains can be removed using a soft cloth dampened with a small quantity of detergent solution, then wipe dry.

Do not use volatile solvents such as alcohol, benzene or thinners as they may damage the surface.

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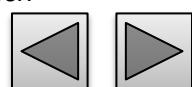
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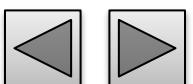
Item

Requirements

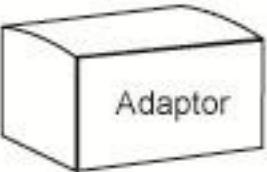
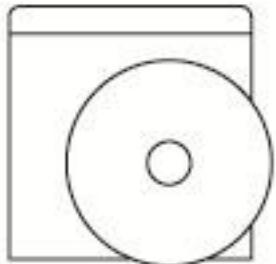
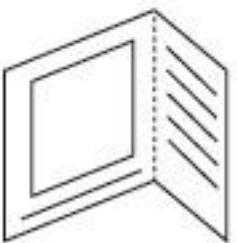
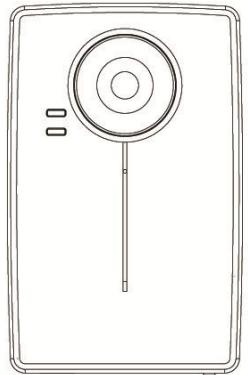
CPU	Core Duo 2.8GHz (or equivalent AMD)
Graphic Card	256 MB RAM graphic cards(or equivalent on-board graphic cards)
RAM	1G
Operating System	Windows2000, 2003, XP, Vista, Windows 7, Mac OS X Leopard
Web Browser	Internet Explore 6 or later

Note

1. If you are using Windows 98 or Windows ME, please install IP Installer before using WEB UI to ensure the system runs normally.
2. If you can't view the record video file, please install Xvid codec while installing Intelligent IP Installer. (For Windows 98, ME or 2000 server, the codec might not work properly. You'll need to download Xvid codec 1.0 from the internet.)
3. Please always update the latest Windows component. (Net Framework, Windows Media Player, Enhance ActiveX Security)



Package Contents



Camera – F3101/3106 Network Camera

Quick Installation Guide - To provide brief product information and quick installation and wireless setting.

Software CD – Free bundled web-based 9 channels IP Surveillance Software, EZvuu wizard, User Manual and Quick Installation Guide.

Ethernet cable – Assist to setup your IP Camera.

Mounting Bracket – There are three components including lock ring, brace, and base plate to compose a bracket and three applied screws to fix the base plate to a flat surface. (horizontal or vertical)

Adaptor - 12V DC, max 12W

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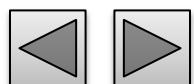
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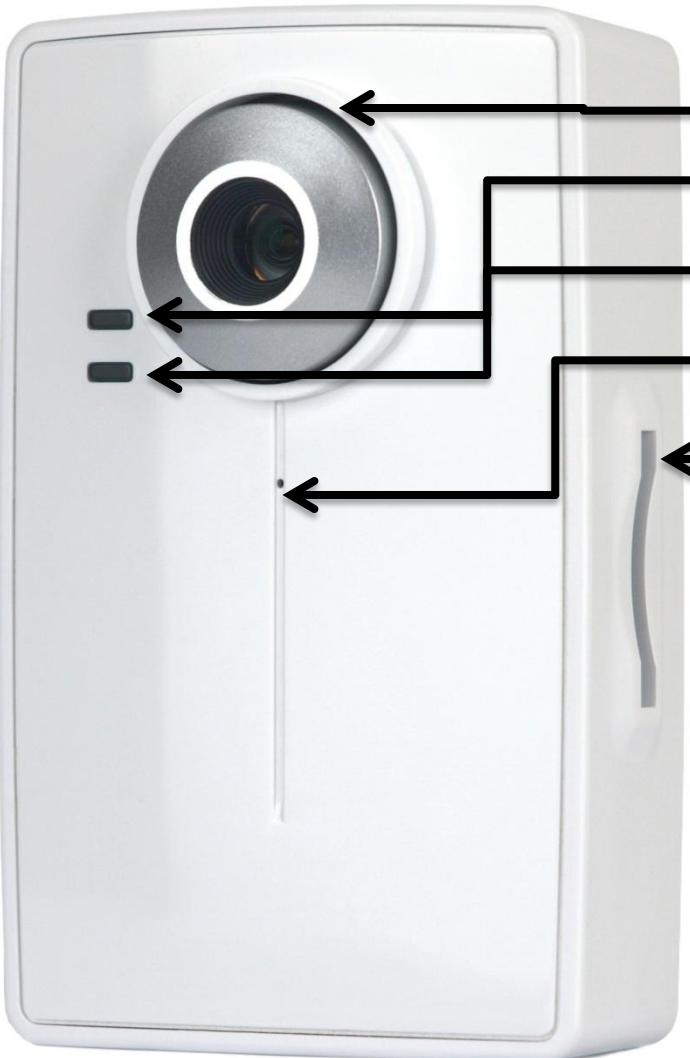
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Physical Description



Front View

- Focus Adjustment Ring** - Adjust focus manually to achieve the best image quality.
- Power LED indicator** - Power LED will light up after the IP Camera completed the boot process.
- Network LED indicator** - Network LED will light up after the IP Camera connected with network.
- Built-In Microphone** - Built-In Microphone for Two-way Audio.
- Memory Card Slot** – Support SD/SDHC memory card

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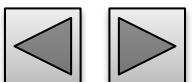
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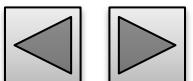
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POWER LED	
Steady Red	Boot up process
Steady Blue	Boot up complete
Steady Blue → Flash Purple	Push WPS button and ready for connecting wireless router/AP
Flash Purple → Steady Blue	WPS configuration finished
Flash Purple → Steady Red 30 Secs	WPS configuration failed
Steady Blue → Unlit	Push reset button and then reset
Steady Blue → Unlit → Steady Blue	Push reset button for at least 5 secs and then reset to default
Steady Blue → Flash Purple	Firmware upgrade
Steady Blue → Steady Purple	Memory card recognizing
Steady Purple → Steady Blue	Memory card ready
Steady Blue → Steady Purple → Steady Red	Memory card failed
Steady Blue → Steady Purple → Steady Blue	Memory card ready
ETHERNET/WIRELESS LED	
Flashing blue	Wired packets transmission
Unlit	No transmission



Physical Description



Bottom View

DC 12V - For connection of 12V DC input.

Reset – When the device is empowered, press the Reset Button to reboot the device, or hold the Reset Button for 10 seconds to set the device settings back to factory default.

WPS – Click to easily connect to your router equipped with WPS. (F3106)

Speaker - To support audio out with earphones or speakers

LAN - For connection to the Ethernet via RJ-45 standard

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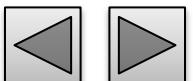
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Mounting and Cable Connecting

Wall and Ceiling Mounting

1. Use the 3 supplied screws to fix the base plate to a flat surface.
2. Loosen the lock ring to adjust the desired angle of the camera.
3. Tighten the lock ring.



Power and Ethernet Connecting

1. Use a standard RJ-45 network cable to connect the IP Camera to the Network connection
2. Connect power adaptor to the IP Camera.



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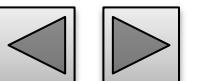
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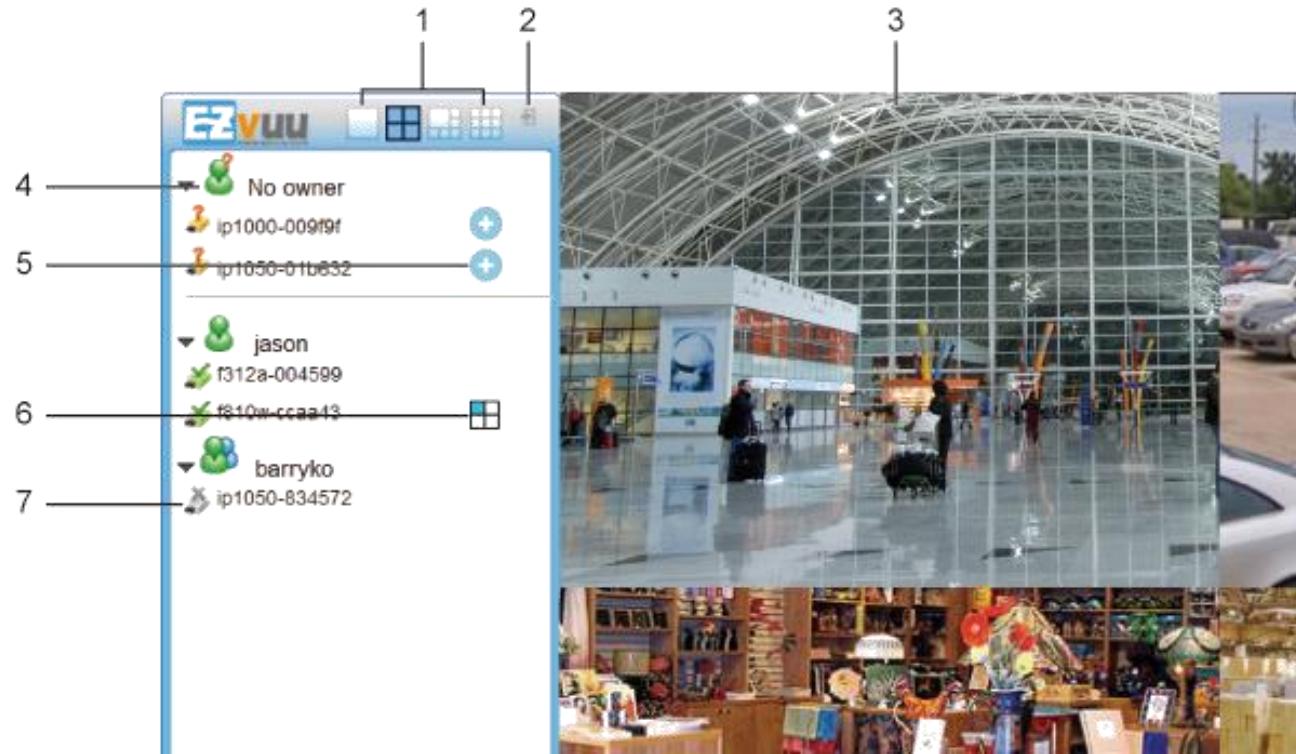
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Live View



1. Screen Division

Allocate the sub-screen display by clicking on the desired layout icon.

1 channel; 4 channel; 6 channel; 9 channel

2. Logout

Click to logout EZvuu

3. Camera Layout

Assign cameras to camera layout by drag and drop. You can double click on a particular view to extend display to full screen. Double click on the screen again to regain previous camera layout.

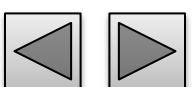


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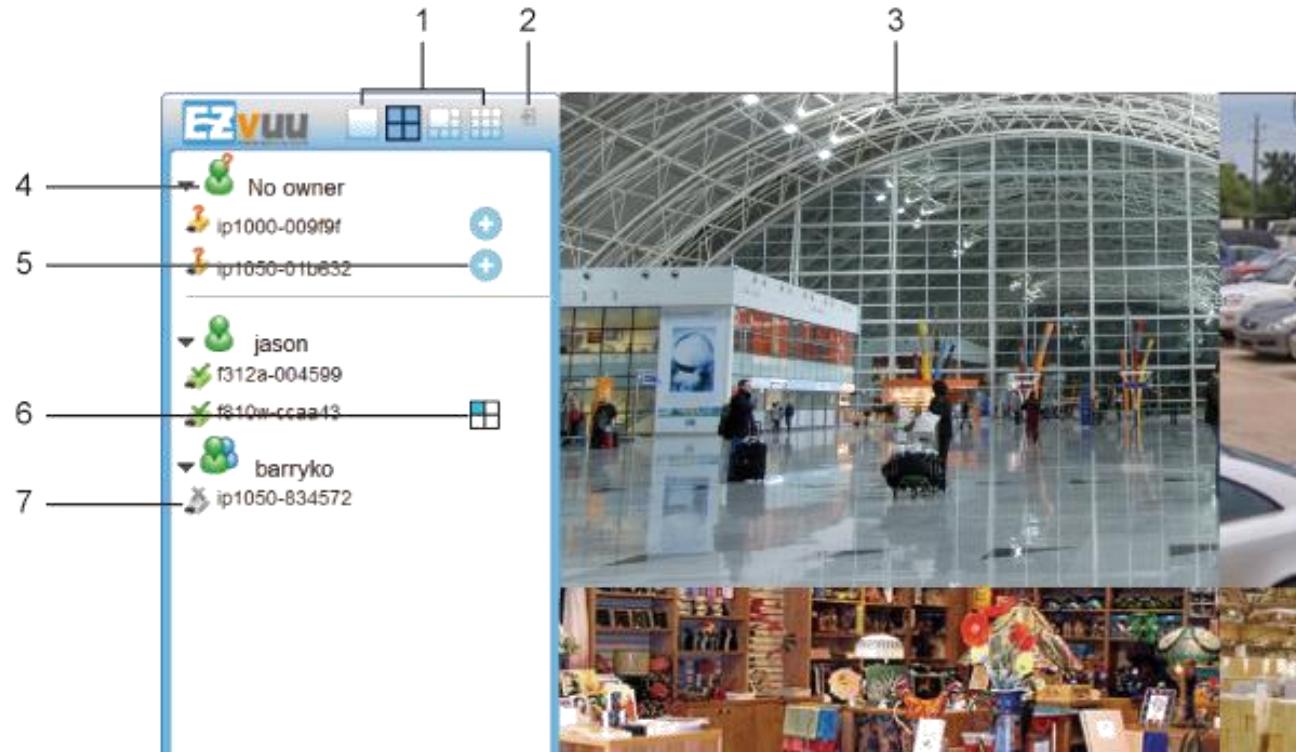
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4. Camera Group

Click to see which cameras in this group. The following is the meaning of each icon:

- 🟢 No owner cameras group. It will flash when there's new no owner camera.
- 🟡 Your cameras group
- 🟩 Friends camera group

5. Add Camera

Click to add no owner camera to your account.

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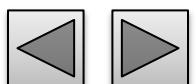
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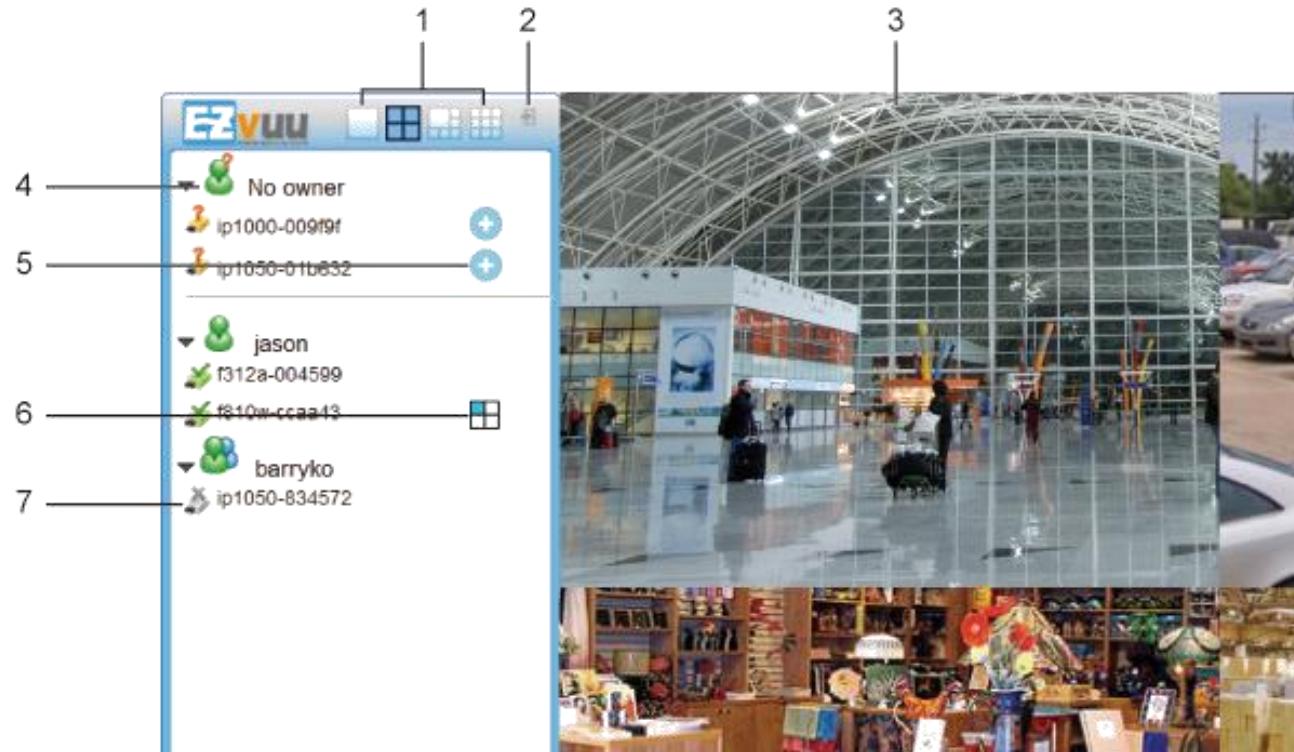
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6. Screen Position

Display this camera in which sub-screen. Blue means live view, green means playback, orange means remote playback and red means record.

7. Camera Status

Click to display control panel. The following is the meaning of each icon:

- Camera unavailable
- Camera available
- Unknown camera

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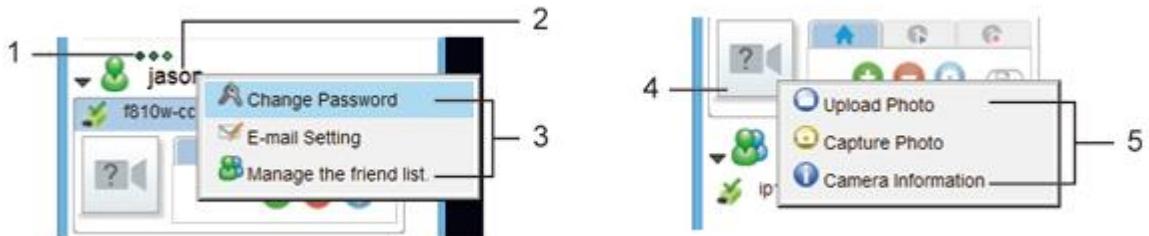
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Client Setting



1. Online Users

Display online users of your account. The limitation is simultaneously 5 users online.

2. Account Name

Display the name of your EZvuu account.

3. Account Setting

Right Click your account and it will display your account setting including: "Change Password", "E-mail Setting" and "Manage the friend list".

Select to change the password of your EZvuu account.

Select to change registered E-mail of your EZvuu account.

Select to add a friend to your friend list or delete a friend from your friend list.

4. Portrait

Display the portrait of this camera.

5. Portrait Setting

Click portrait to setup a portrait of this camera. You can upload photo from your local PC by selecting or select to snapshot as the portrait. Select to see your device name and nickname.

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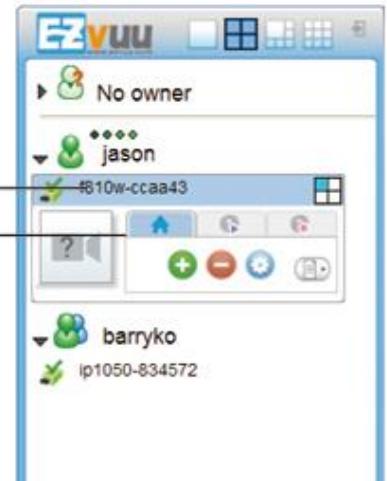
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Camera Console



1. Camera Name

Display nick name of this camera. You can right click to change the nick name.

2. Camera Console

Click to display camera console.

Click to share this camera to your friends.

Click to remove this camera from your camera list.

Click into setting page of this camera.

Click to display playback control including:

Stop playing this channel

Start recording to your local PC. The icon will display when the video is on recording.

Enter the setting page of this camera

Select to enable microphone. The icon will display when microphone is enabled.

Select to take a snapshot from this camera.

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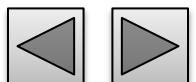
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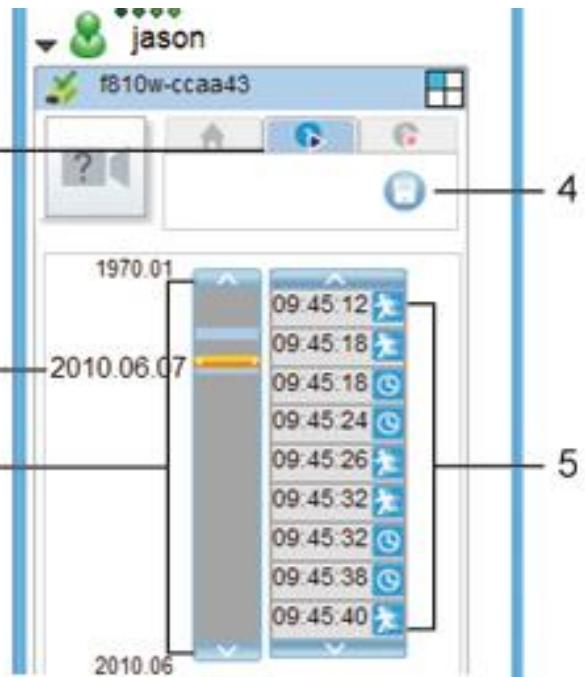
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Remote Playback



1. Remote Playback

Click to display remote playback console.

2. Time Selector

Using the date selector, it is possible to jump straight to recordings from a specific point in time. You can drag to the blue background of timeline browser to remote playback. You also can click and to scroll monthly. If there's no any record in last month or next month, it would jump to the month with record.

3. Timeline Browser

Display an overview of periods with recordings from this camera.

4. Remote Recording Storage Setting

Click to setup your NAS.

5. Events

Display the events and recording time of the recording date you select. You can click and to scroll events. The following is the meaning of each icon:

- Motion detection
- Periodical recording

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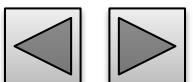
EZvuu

Easy Access

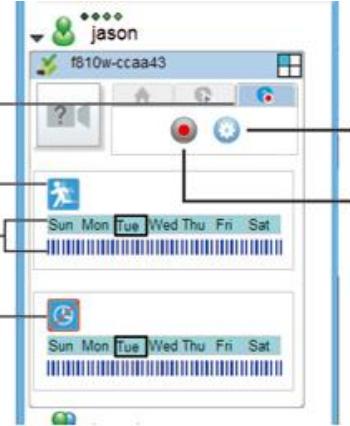
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Remote Record

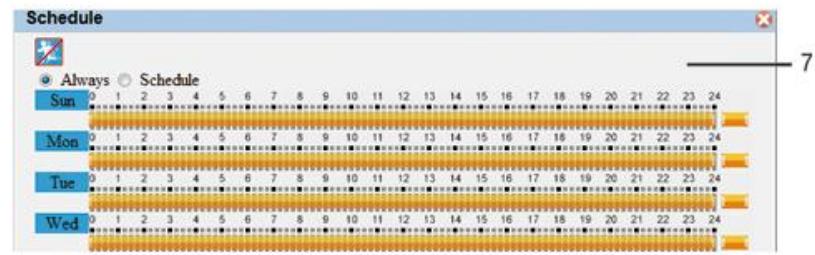


1. Remote Record

Click to display remote record console.

2. Motion Detection Status

Display motion detection status. You can click this icon to setup motion detection schedule. The following is the meaning of each icon: Motion detection enabled; Motion detection disabled.



3. Record Schedule

Display the scheduled recording time of each day. The black rectangle means what day today is of the camera. The blue timeline represents the recording time of today.

4. Periodical Recording Status

Display periodical recording status. You can click this icon to setup periodical recording schedule. The following is the meaning of each icon: Periodical recording enabled; Periodical recording disabled

5. Remote Recording Storage Setting

Click to setup your NAS.

6. Remote Manual Record

Click to enable remote record.

7. Schedules

Click and to enable or disable motion detection and periodical recording. Select “Always” to schedule full-time recording. Select “Schedule” to schedule preferred recording time. You can drag at most to the timeline and stretch the time bars to fit your demand.

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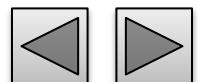
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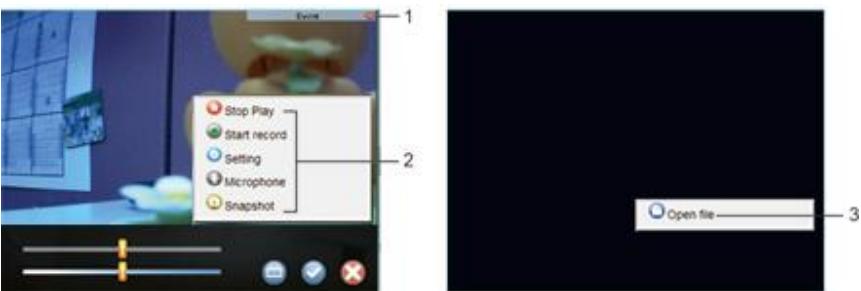
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OSD Toolbar



1. OSD Toolbar

Display OSD toolbar when you move your mouse on the view screen. You can click and to pull up and down the events list. The events list will flash when there is a new event. In the events OSD, it will show the recording date & time and what event triggers. You can also click and to scroll the event list. Click , , and to setup the 3 motion detection zones. In the motion detection setting mode, you can click to enable/disable motion detection zone. The upper slider is threshold slider which means the extent of the alarm triggered. The below slider is sensitivity slider which means how often the sensor will scan the image different. The higher sensitivity it is and the more frequently it scans. After setup, you can click to apply all setting and click to leave motion detection mode.

2. Playback Controls

Right click the screen division and there are 5 video operations including:

- Stop playing this channel
- Start recording to your local PC. The icon will display When the video is on recording.
- Enter the setting page of this camera
- Select to enable microphone. The icon will display when microphone is enabled.
- Select to take a snapshot from this camera.

3. View Local Archived Recordings

Right click the blank screen division and click to playback local videos.

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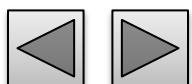
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Easy Access

Web Browsers

- Windows Web Browsers →
- Mac Safari →

Mobile Phone Viewing

- Using IP Camera Via iPhone →
- 3G Mobile Phone Streaming →
- 2.5G Mobile Phone WAP →
- 2.5G Mobile Phone Browser →
- Windows Live Messenger →

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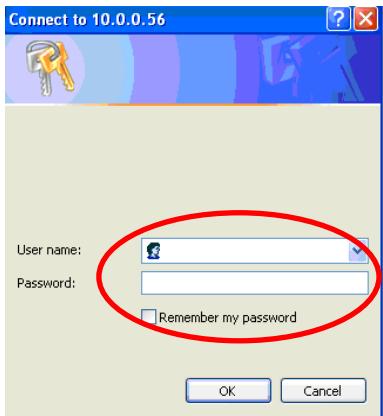


Windows Web Browsers

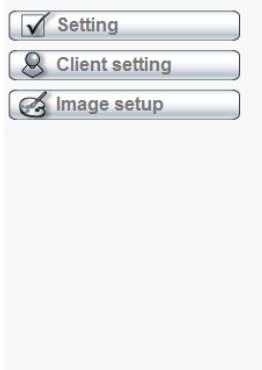
1. Start your web browser, and enter the IP address or host name of the IP camera in the Location / Address field of your browser.

Note

If you only want to view the video without setting page, enter "<http://<IP>/index2.htm>" as your web URL.



3. The monitor image will be displayed in your browser. In the far left side of main configuration are Setting, Client Setting, and Image Setup.



2. Use the default account “admin” and default password “admin”.

Note

The default user name “admin” and the password are set at the factory for the administrator.

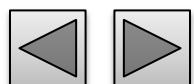


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1. Click the Safari icon, and enter the IP address of the IP camera in the Location / Address field of your browser.

Note

If you only want to view the video without setting page, enter "<http://<IP>/index2.htm>" as your web URL.

2. Use the default account "admin" and default password "admin".

Note

The default user name "admin" and the password are set at the factory for the administrator



Web Browsers

3. The monitor image will be displayed in your browser. In the far left side of main configuration are Setting, Client Setting, and Image Setup.

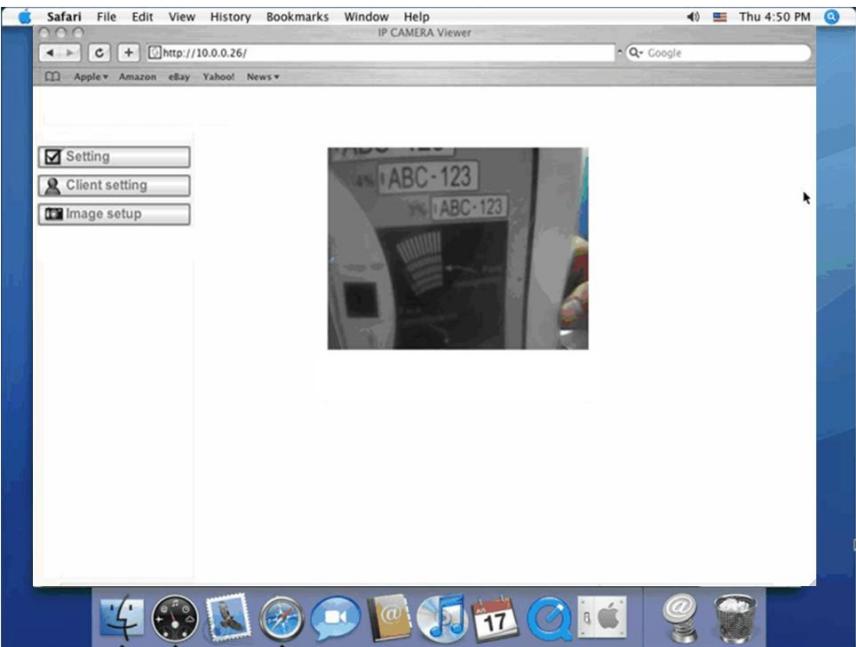


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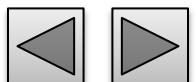
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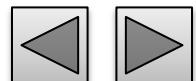
Mobile Phone Viewing

Using IP Camera Via iPhone

1. Select Safari function



2. Enter IP address in your web link.



3. Type name and password. Default value is admin / admin. Then click Login In



4. Live view will show up in the middle of screen.



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Mobile Phone Viewing

3G Mobile Phone Streaming

For 3G mobile phone viewing, type “<rtsp://<IP>:<PORT>/video.3gp>” into your 3G Streaming Link. <IP> is the Public IP address of your IP camera; <PORT> is the RTSP port of your IP camera (Default value is 554.) Example:
rtsp://100.10.10.1:554/video.3gp

Note

You can also use RTSP clients (RealPlayer, VLC, QuickTime Player...etc.) to view RTSP streaming, just type in “<rtsp://<IP>:<PORT>/video.3gp>” as the Player URL

2.5G Mobile Phone Browser

For 2.5G mobile phone viewing, type “<http://<IP>/mobile.wml>” into your 2.5G WAP Browser. <IP> is the Public IP address of your IP camera.

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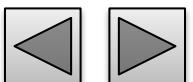
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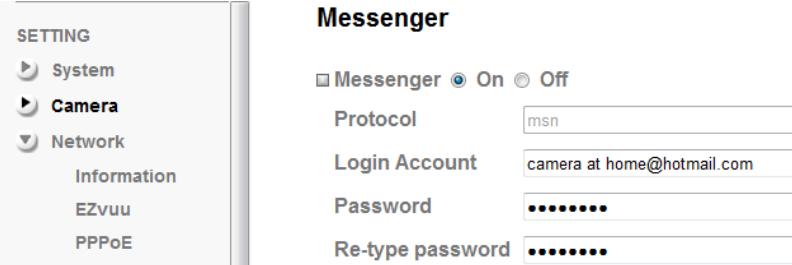
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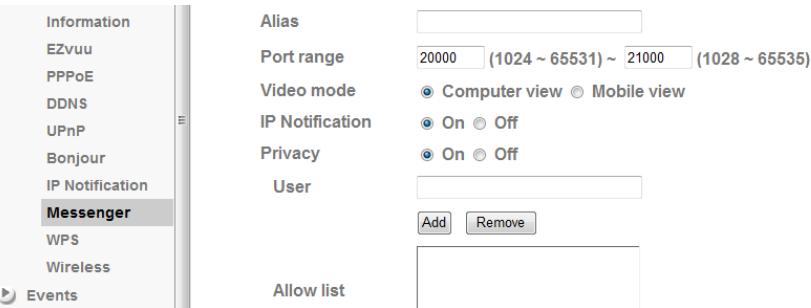
Windows Live Messenger

1. Apply for a new MSN account for your Device

2. Type login account and password



3. Set the following settings



4. You will get IP information automatically



5. Click to live viewing by Windows Live Messenger

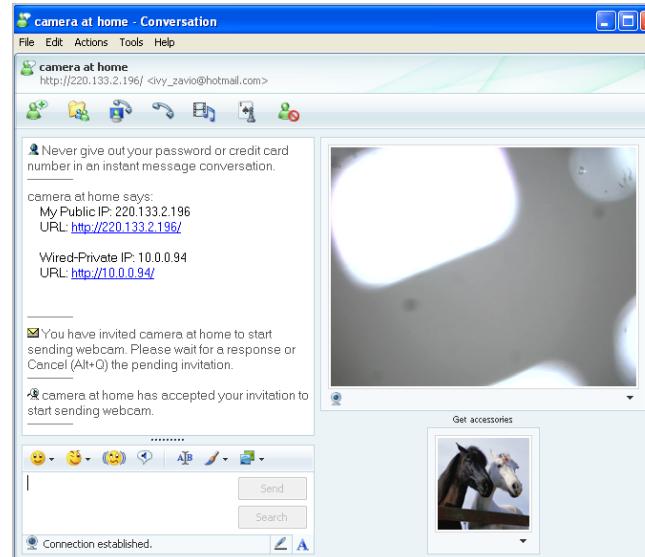


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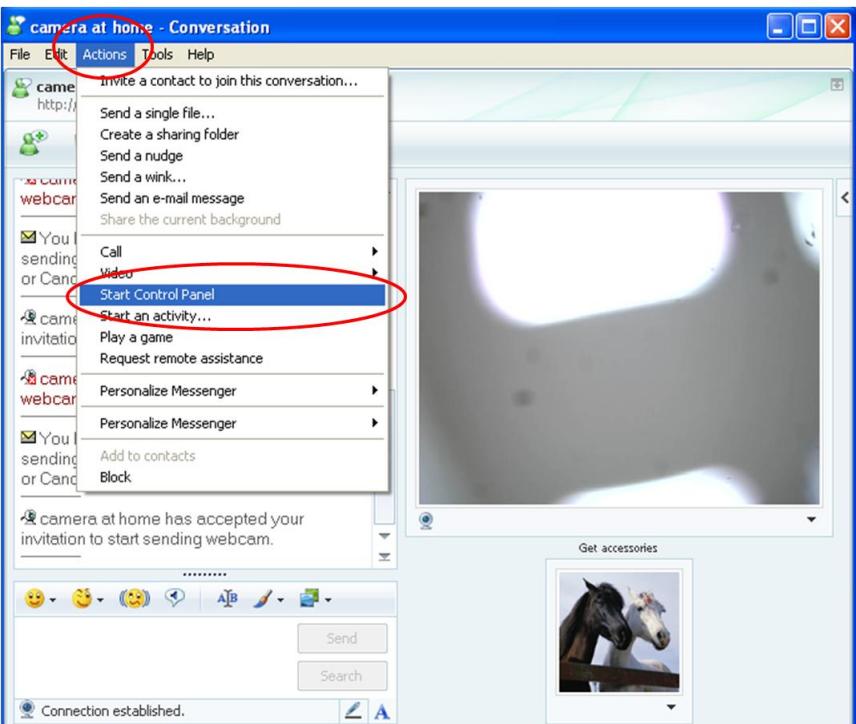
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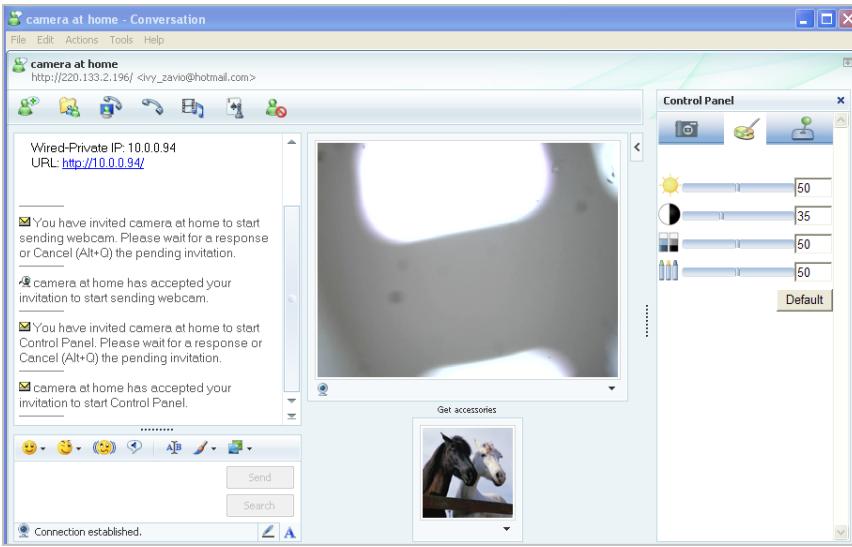
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Windows Live Messenger

6. Click Action button and choose Start control panel



7. Click icons to snapshot or optimize image



Snapshot



Image Setup



Brightness



Contrast



Saturation



Hue



Default Image Settings

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Client Setting



Image Setup



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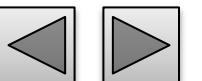
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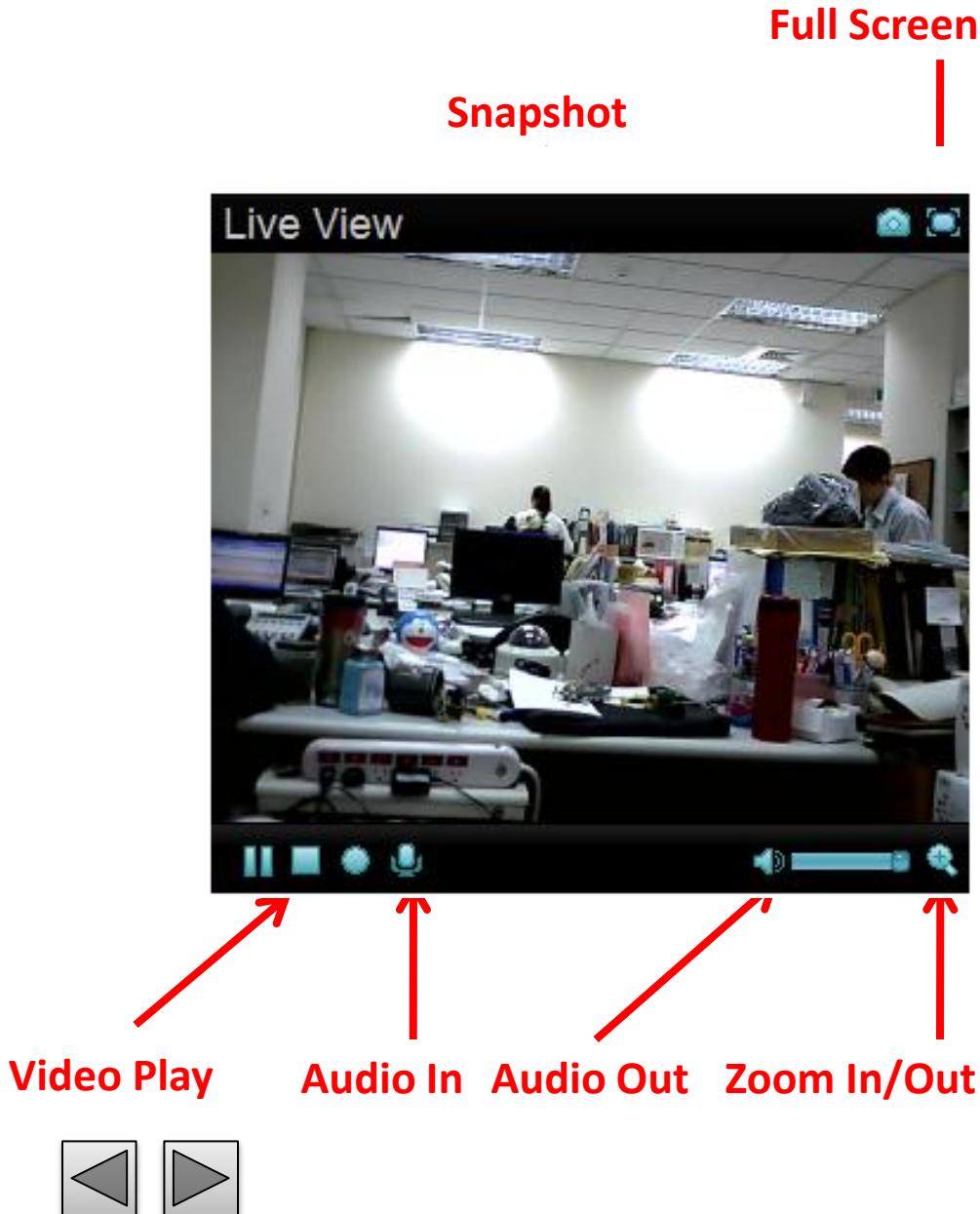
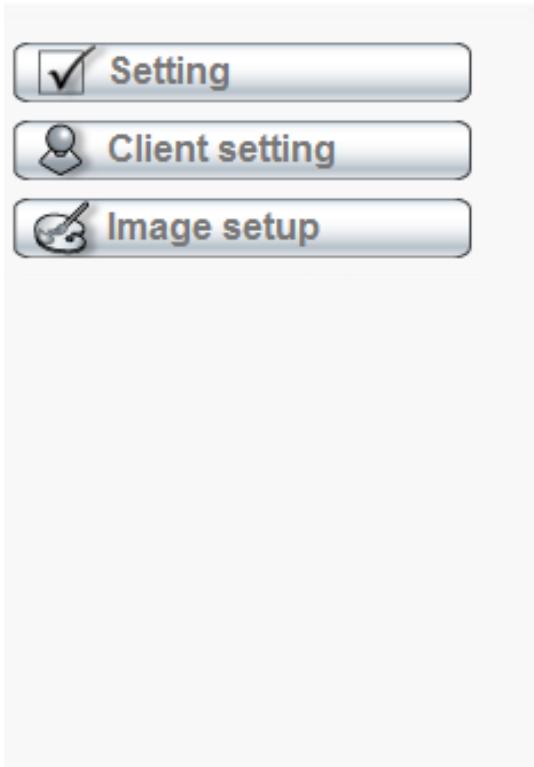
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Full Screen

Snapshot

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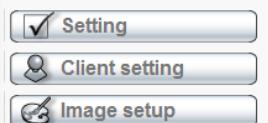
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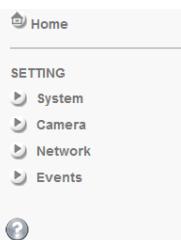
Setting

Setting

This function is only for the Administrator. Click this button to get into the setting page.



There are four sub-folders including System, Camera, Network, and Events and a Question mark inside. Click question mark will pop-up a new window and you can get answers online without user manual.



HELP is an online help and support. It provide solutions immediately.

The HELP menu is organized into several sections:

- System**: Includes links for Information, Day/Time, Account, System Log, and Initialize.
- Camera**: Includes links for General, Profile 1, Profile 2, Advanced, and Playback.
- Network**: Includes links for Information, EZvuu, PPPoE, DDNS, UPnP, IP Notification, WPS, and Wireless.

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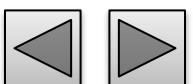
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Client Setting

**Setting****Client setting****Mode**

H.264

**View size**

1/2 X

**Video buffer**

Off

**Image setup**

Client Setting

This function is only for the administrator and client.

Mode

Click the pull-down box to choose between H.264, MPEG-4 MJPEG, and JPEG video compression mode. MJPEG streaming is unavailable if RTSP mode is "On."

Video Size

Select the desired display view size from 1X to 1/4X.

Video Buffer

Turn the Video Buffer function ON / OFF. The Video Buffer function makes the streaming more smoothly in unsteady network environment, but might cause a little delay in live viewing.

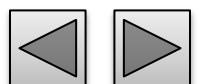
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Image Setup

The screenshot shows a software interface for 'Image Setup'. At the top left is a 'Setting' button with a checkmark icon. Below it are three main categories: 'Client setting', 'Image setup', and 'Default'. Under 'Image setup', there are five sliders with numerical values: Brightness (10), Contrast (50), Saturation (50), Sharpness (80), and Exposure (50). A 'Default' button is located at the bottom right of this section.

Setting	Brightness	Contrast	Saturation	Sharpness	Exposure
10	50	50	80	50	

Brightness

The higher value the brightness is, the brighter the image is.

Contrast

The contrast is a measure of a display system, defined as the ratio of white to black that the system is capable of producing. The higher value the contrast is, the more delicate of color you can have.

Saturation

The saturation of a color is determined by a combination of light intensity and how much it is distributed across the spectrum of different wavelengths. The higher value the saturation is, the more colorful the image will be.

Sharpness

It applies image processing techniques to adjust the sharpness of live view. However, higher the value is, more the noise is.

Exposure

The exposure allows you to set the target brightness via automatically adjusting shutter and gain value.

Default

After the adjustment of all setting, you can still click Default to make the setting back to the original setting.



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- EZvuu
- PPPoE
- DDNS
- UPnP
- IP Notification

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- Wireless
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- SMTP
- Network Storage
- Memory Card
- Motion Detection
- Audio Detection
- Schedule
- Help**



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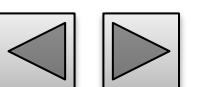


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System

Information

The Information page provides the product factory information which includes **Product Name**, **Firmware Version** and **Web Version**.

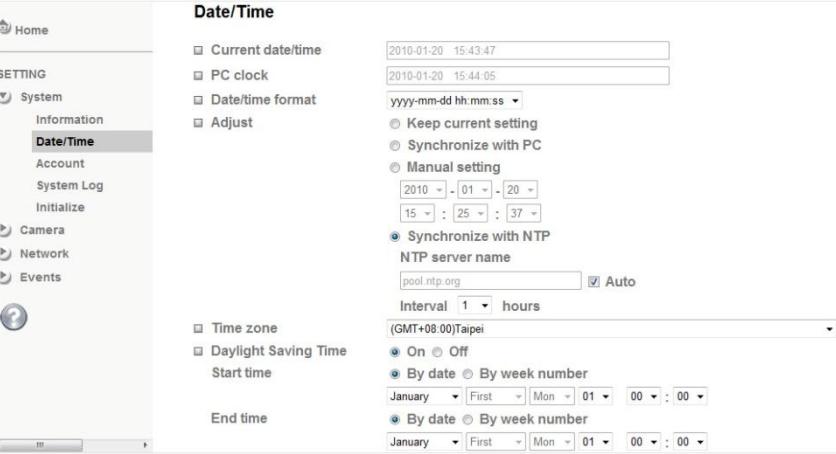


Information

Product name: WLAN 11n H.264 Megapixel Fixed Camera w/audio

Firmware version: MG.1.6.02C6.UI Mon Sep 13 10:36:09 CST 2010

Day/Time



Date/Time

Current date/time: 2010-01-20 15:43:47

PC clock: 2010-01-20 15:44:05

Date/time format: yyyy-mm-dd hh:mm:ss

Adjust

Synchronize with NTP

NTP server name: pool.ntp.org

Interval: 1 hours

Time zone: (GMT+08:00)Taipei

Daylight Saving Time

Start time: On / Off

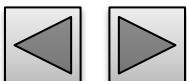
End time: By date / By week number

Current date / time

Display the current date and time of this IP Camera.

PC clock

Display the date and time of the monitoring PC clock.



Date / Time format

Pull down box to select different time display formats.

Adjust

Keep current setting

Keep the current date and time of this IP Camera.

Synchronize with PC

Keep the date and time the same PC.

Manual setting

Adjust manually the date and time of this IP Camera.

Synchronize with NTP

Specify the NTP server name and the Refresh Interval to synchronize.

Time Zone

You can select the Time Zone.

Daylight Saving Time

There are two modes to choose for setting up daylight saving time.

By Date

Set the start and end time by select month, day, hour, and minute.

By Week Number

Set the start and end time by select month, week, hour, and minute.

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System

Account

The device fault account and password setting is “admin / admin”. That means everyone who knows IP address can access the device including all configuration. It is necessary to assign a password if the device is intended to be accessed by others.

Home

SETTING

System Information Date/Time Account System Log Initialize Camera Network Events

Account

User ID	User name	Password	Re-type Password	Viewer mode
Administrator	admin	*****	*****	Admin
User 1				Admin
User 2				Admin
User 3				Admin
User 4				Admin
User 5				Admin
User 6				Admin
User 7				Admin
User 8				Admin
User 9				Admin

Viewer authentication On Off

OK Cancel

User name

Set a user name between 4-16 characters.

Password

Set a password between 4-16 characters.

Re-type Password

Re-type the password to confirm.

Viewer Mode

Set the user mode among Admin, Operator, and Viewer. Different viewer mode has different limits of authority.

Admin mode

Has all authority of configuration.

Operator mode

View the Live View and Use Control Panel.

Viewer mode

View the Live View only.

Viewer Authentication

Allows any viewer direct access to Live View.

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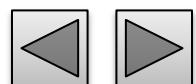
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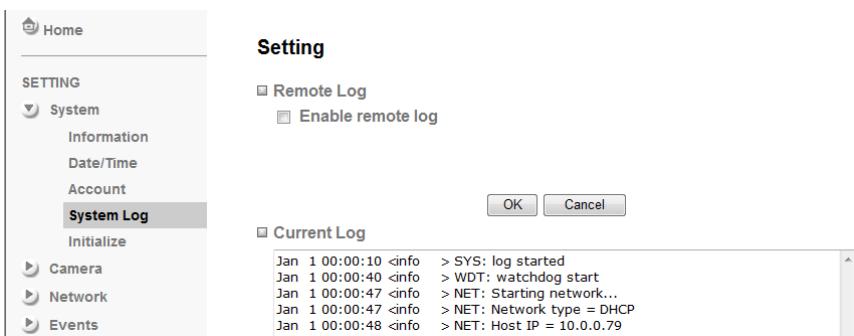
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System

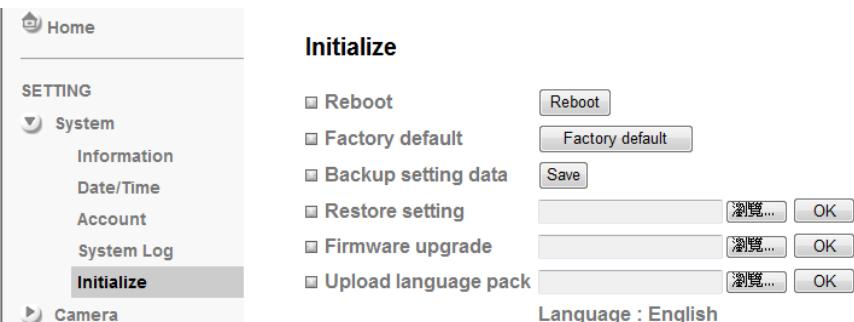
System Log

The System Log function allows users to review any changes and events happened. The system starts logging automatically after started.



Enable remote log

Enables user to send the log data to a specified log server.



Initialize

Reboot

Reboot this IP Camera and it takes two minutes to reboot this IP Camera.

Factory Default

Reset this IP Camera to the factory default setting..

Don't turn off this IP Camera until the device reboots.

Backup Setting

Backup the setting data of this IP Camera.

Restore Setting

Click "Browse" to restore setting and then restart automatically.

Firmware Update

Click "Browse" to upgrade firmware.

Upload Language Pack

Upgrade the device language pack.

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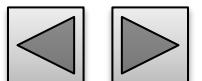
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Note

Use only upgrade files that are special for this IP Camera. Otherwise problems may occur. Don't turn off the IP Camera power or disconnect the network until the upgrading is completed.



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- [?](#)

General

<input type="checkbox"/> RTSP	RTSP port <input checked="" type="radio"/> 554 <input type="radio"/> <input type="text" value=""/> (1024 ~ 65535)
<input type="checkbox"/> Image rotated	<input type="button" value="None"/>
<input type="checkbox"/> Audio Codec	<input type="button" value="g.711 u-law"/>
<input type="checkbox"/> Audio mode	<input checked="" type="radio"/> Full duplex <input type="radio"/> Half duplex
<input type="checkbox"/> Video clip format	<input type="button" value="H.264"/>
<input type="checkbox"/> LED indicator	<input checked="" type="radio"/> On <input type="radio"/> Off
<input type="checkbox"/> Text overlay	<input type="radio"/> On <input checked="" type="radio"/> Off
<input type="checkbox"/> Privacy mask	<input type="radio"/> On <input checked="" type="radio"/> Off

RTSP

Switch RTSP “On” or “Off.” The default value is 554.

Image Rotate

You can mirror or flip the display screen.

Audio Codec

Select one audio codec among G.711 U-law, G.711 A-law and AMR Audio. Or select off to disable sound reception.

Audio Mode

select Full duplex or Half duplex for your camera.

Video Clip Format

Select H.264 or MPEG-4 as recording compression format.

LED Indicator

Turn on/off the LED indicator.

Text Overlay

You can see some information on the display screen which includes Date / Time and user-defined text. Also, you can change the background color.

Privacy Mask

You can cover a specific area of the video image.

Note

RTSP (Real Time Streaming Protocol) is a protocol for use in streaming media system which allows clients to remotely control a streaming video server. RTSP is supported by most of the media clients such as Real Player, QuickTime and VLC...etc.

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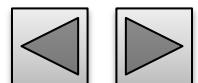
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Profile 1

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Viewer Authentication

If the viewer authentication is On, the users will be requested to key-in username and password when viewing through RTSP.

Profile 1

- Viewer authentication On Off
- Image Size 1280x1024
- Frame rate 15 fps
- Quality
 - Auto
 - Fixed quality Detailed
 - Fixed bitrate 6M bps
- Streaming MPEG4

OK

Cancel

Image Size

Specify the image size from 1280x1024 to 320x240 of profile 1.

Frame Rate

Set the frame rate of profile 1.

Quality

Auto

The quality and bitrate will be adjusted automatically according to the frame rate.

Fixed Quality

You can select the value of quality.

Fixed Bitrate

Set the bitrate of profile 1 transmission for a line.

Streaming

The streaming of profile 1 is fixed MPEG4.

Note

1. Concerning how to select the suitable image quality for Fixed Quality or Fixed Bitrate, please refer to APPENDIX / A. Frame-rate & Bitrate Table.
2. The frame rate is up to 15 fps at 1280x1024, and up to 30 fps at 640x480. However, if you would like choose frame rate over 15 fps, the IMAGE SIZE of profile1 and profile 2 setting page has to be selected 320x240 or 640x480 at the same time.

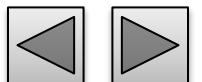


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Profile 2

- Viewer authentication On Off
- Image Size
- Frame rate fps
- Quality
 - Auto
 - Fixed quality
 - Fixed bitrate bps
- Streaming

OK

Cancel

Viewer Authentication

If the viewer authentication is On, the users will be requested to key-in username and password when viewing through RTSP.

Image Size

Specify the image size from 1280x1024 to 320x240 of profile 1.

Frame Rate

Set the frame rate of profile 1.

Quality

Auto

The quality and bitrate will be adjusted automatically according to the frame rate.

Fixed Quality

You can select the value of quality.

Fixed Bitrate

Set the bitrate of profile 1 transmission for a line.

Streaming

Select H.264, MJPEG or 3GPP as streaming of profile 2.

Note

1. Concerning how to select the suitable image quality for Fixed Quality or Fixed Bitrate, please refer to APPENDIX / A. Frame-rate & Bitrate Table.
2. The frame rate is up to 15 fps at 1280x1024, and up to 30 fps at 640x480. However, if you would like choose frame rate over 15 fps, the IMAGE SIZE of profile1 and profile 2 setting page has to be selected 320x240 or 640x480 at the same time.



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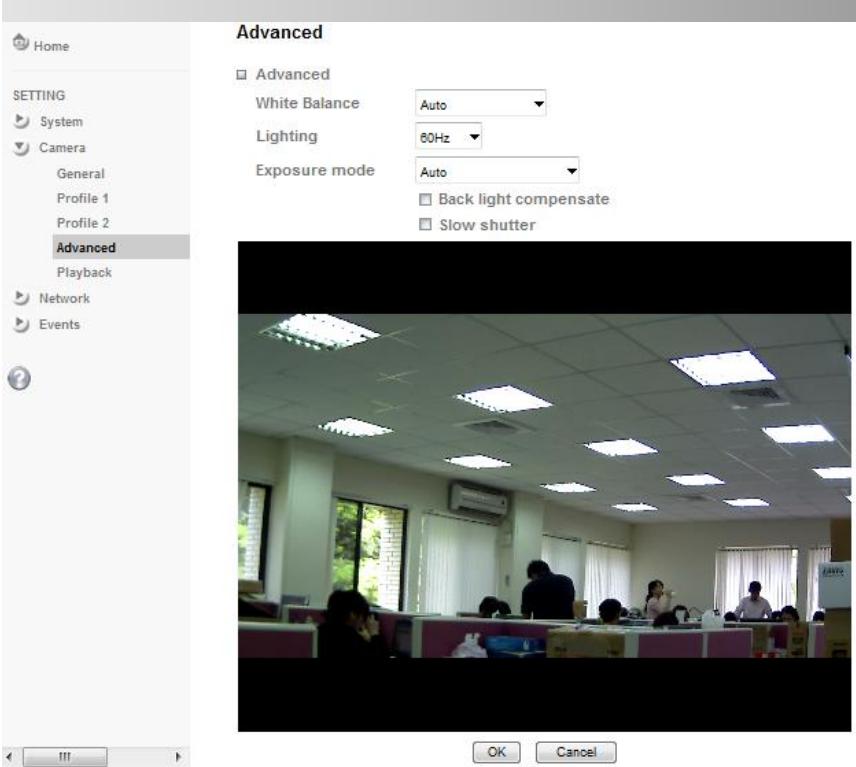
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Camera

Advanced



White Balance

Choose the white balance among Auto, Florescent, Incandescent, Sunny and Cloudy.

Lighting

The default setting of lighting environment is Auto. However, you may also choose 50 or 60 Hz upon the lighting environment of your country.

Exposure Mode

Choose Auto, High Speed Mode or Manual upon the capture environment.

Auto

Choose Auto and you have 2 options to adjust the exposure condition.

Back light compensate:

Click it on and it helps avoid problems in situations where the main subject ends up being too dark, such as when shooting people or other subjects in front of a bright background.

Slow shutter:

Click to adjust the shutter speed automatically and helpful to capture the clear image when shooting in a dark place.

High Speed Mode

Choose High Speed Mode to capture the motion image of sports or high-speed phenomena.

Manual

Choose Manual to setup Shutter Speed and Gain.

Shutter Speed: The default value is 1/30 sec. and you can select the value among 1/4, 1/6, 1/12, 1/30, 1/60, and 1/120 sec.

Gain: The default value is 2 and the value is adjustable among 0~9.

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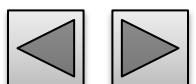
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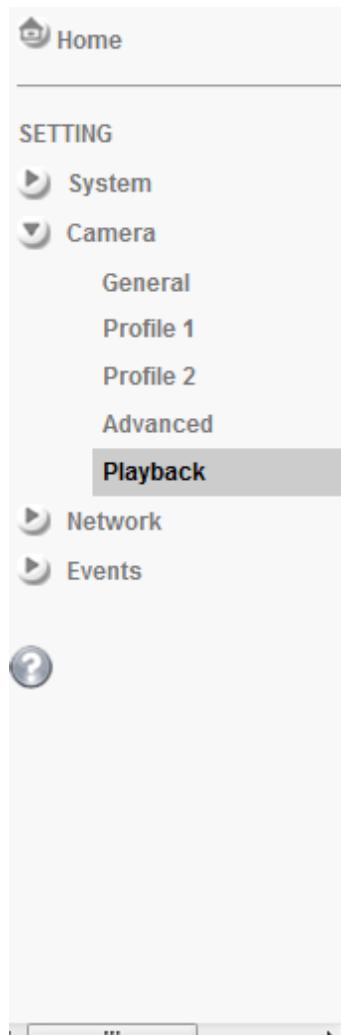
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Camera

Playback



Snapshot Full screen
Mirror &flip

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Video play control

Volume & mute Digital zoom

Information

Display the MAC address of the device.

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- [System](#)
- [Camera](#)
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 - [Messenger](#)
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Information

MAC address 00:1B:FE:02:65:74

Obtain an IP address automatically (DHCP)

Use the following IP address

IP address 10.0.0.183

Subnet mask 255.255.255.0

Default gateway 10.0.0.1

Obtain DNS server address automatically

Use the following DNS server address

Primary DNS server 168.95.192.1

Secondary DNS server 168.95.1.1

HTTP port number 80 (1024 to 65535)

Obtain an IP address automatically (DHCP)

Select this while the IP address is assigned by the DHCP server.

Obtain DNS server address automatically

Select this to obtain the address of DNS server automatically.

Use the following IP address

Select this when the fixed IP address is set.

IP address

Enter the IP address of the device.

Subnet mask

Enter the subnet mask.

Default gateway

Enter the default gateway.

Use the following DNS server address

Select this when you set the fixed address as the IP address of DNS server.

Primary DNS server

Enter the IP address of the primary DNS server.

Secondary DNS server

Enter the IP address of the secondary DNS server, if necessary.

HTTP port number

Select **80** (recommend) or enter a port number between 1024 and 65535.

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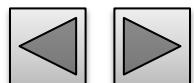
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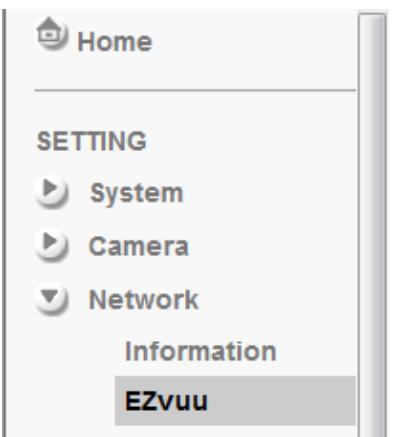
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Network

EZvuu

EZvuu, also known as zero-configuration networking, enables automatic to find your devices on IP networks. EZvuu uses Windows Live Messenger protocols to allow devices to automatically discovered without the need to enter IP addresses or configure DNS servers.



Name

Show your device name on EZvuu.

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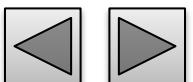
EZvuu

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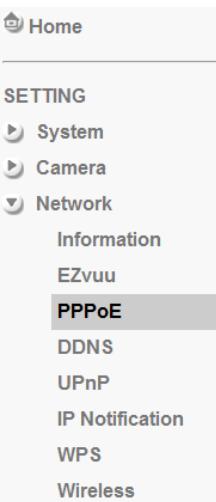
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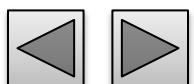
PPPoE

If your ISP provides Dynamic IP with authentication by username and password, type all PPPoE information in this part. When you use the PPPoE function, you need to turn on the DDNS or IP Notification function at same time.



Note

1. The IP Camera needs to be rebooted after it finishes changing the network completely.
2. The IP Camera with Intelligent IP Installer can't be founded after turning on the PPPoE and reboot.



IP Address

The IP address obtained at the PPPoE connecting with network.

User ID

Enter the user ID for authentication necessary for PPPoE connections.

Password

Enter the password for authentication necessary for PPPoE connections.

Re-type Password

Re-type the password to confirm.

Obtain DNS server address automatically

Select this to obtain the address of DNS server automatically.

Use the following DNS server address

Select this when you set the fixed address as the IP address of DNS server.

Primary DNS server

Enter the IP address of the primary DNS server.

Secondary DNS server

Enter the IP address of the secondary DNS server.

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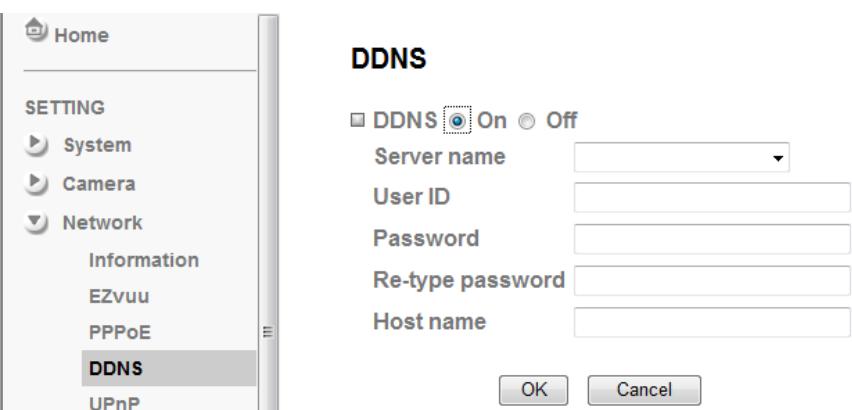
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DDNS

DDNS is a system which allows the domain name data held in a name server to be updated in real time. The most common use for DDNS is allowing an internet domain name to be assigned to a computer with a varying / dynamic IP Address. This makes it possible for other sites on the internet to establish connection to the machine without needing to track the IP Address themselves.



Server name

Choose the DDNS Server from the list.

User ID

Enter the user ID for authentication necessary for DDNS connections. Type it up to 64 characters.

Password

Enter the password for authentication necessary for DDNS connections. Type it up to 32 characters.

Re-type password

Re-type the password to confirm.

Host name

Enter the host name that is registered to the DDNS server.

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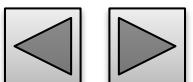
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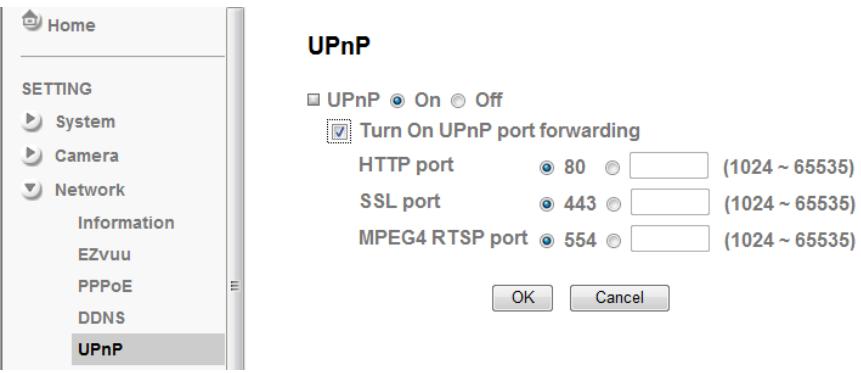
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UPnP

You can select UPnP function “On” or “Off”. If a ROUTER is used to access to internet and it supports UPnP IGD function, please turn on the UPnP Port Forwarding function.



HTTP port

The default HTTP port is 80. Or the port number can be entered, ranged from 1024 to 65535.

SSL port

The default SSL port is 443. Or the port number can be entered, ranged from 1024 to 65535.

MPEG4 RTSP port

The default MPEG-4 RTSP Port is 554. Or the port number can be entered, ranged from 1024 to 65535.

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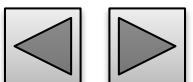
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Network

IP Notification

When network notify type is set to “ON”, you can send an e-mail notification of the completion of the network setting.

The screenshot shows the 'IP Notification' configuration page. On the left, a sidebar lists various network settings like Home, System, Camera, Network Information, EZvuu, PPPoE, DDNS, UPnP, IP Notification (which is selected), WPS, Wireless, Messenger, and Events. The main area has a title 'IP Notification' and contains the following fields:

- IP Notification status: Radio buttons for On (selected) and Off.
- Notify type: Checkboxes for DHCP (checked), Static IP (checked), and PPPoE.
- SMTP server name: Input field.
- SMTP server port: Input field showing '25' (with a note '(1 ~ 65535)'). SSL checkbox is checked.
- Authentication: Radio buttons for On (selected) and Off.
- Checkboxes for SMTP and POP before SMTP.
- POP server name: Input field.
- User name: Input field.
- Password: Input field.
- Recipient e-Mail address: Input field.
- Administrator e-Mail address: Input field.
- Subject: Input field showing 'IP Notify'.
- Message: A scrollable text area containing network information: Product Name : <product>, Web Version : <vweb>, APP Version : <vfir>, http://<ip>:<port>, MAC Address : <mac>.

At the bottom are OK, Cancel, and Test buttons.

Notify Type

Select the notify type

SMTP Server Name

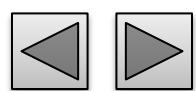
Type the SMTP server name or the IP address

SMTP Server Port

Set port number of your mail server. The default value is 25. Tick SSL box if the mail server you use has security restriction.

Authentication

Required when you send an email.



SMTP

Select if SMTP authentication is necessary when an e-mail is sent.

POP before SMTP

Select if POP before SMTP authentication is necessary when an e-mail is sent.

POP server name

Type the POP server name of the user.

User name, Password

Type the user name and Password of the user.

Recipient e-mail address

Type up to 3 recipient e-Mail addresses.

Administrator e-mail address

This address is used for reply mail and sending system messages from the SMTP server.

Subject

Type the subject/title of the e-Mail.

Message

Type the text of the E-mail. Default provides network information including IP, Port, MAC, Model, Firmware Version and Web Version.

Note

If you use g-mail as your mail server, you should set 587 as your port number and tick SSL box.

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WPS

WPS (Wi-Fi Protected Setup) also known as a standard for easy and secure establishment of a wireless home network.



WPS

Enable/disable the WPS function.

Configure via Push button

Click "Start"

Configure via Pin code

password for this msn account.

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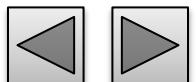
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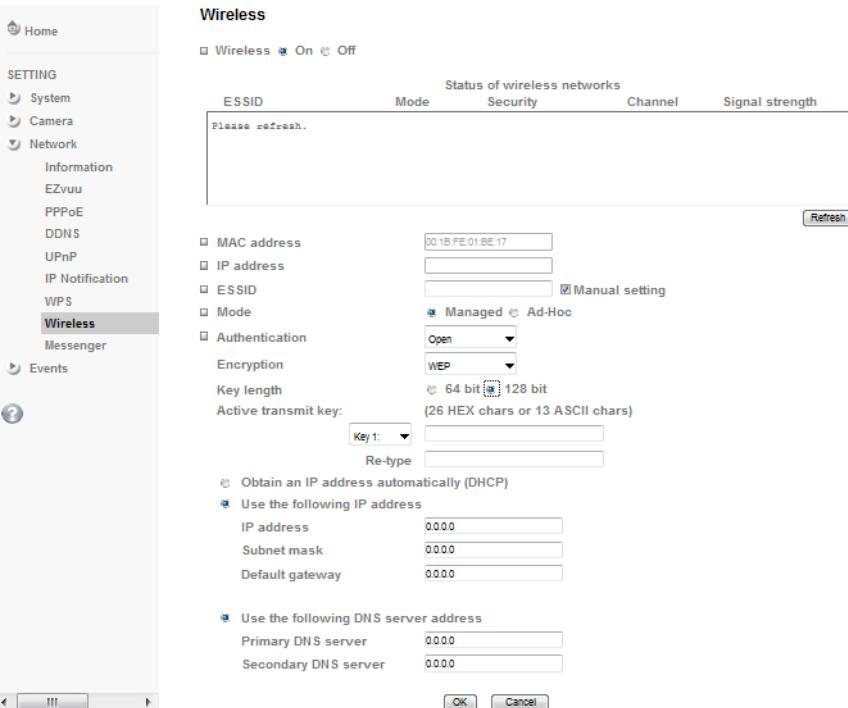
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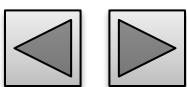


Wireless

The wireless network has to be set up by using cable network connection. After setting the camera correctly, the wireless function can work without cable network connection. Please follow the setting process below step by step:



1. See the wireless setting page. Then click "Refresh". All access points (AP) around you will show up.
2. Select the AP you wish to connect.



3. Enter password at active transmit key if you need. If you don't know the setting of the wireless AP, please ask your network administrator.
4. Choose the option of Obtain an IP address automatically (DHCP).
5. Choose the option of Obtain DNS server address automatically.

Use the following IP address

Select this when the fixed IP address is set.

IP address: Enter the IP address of the device.

Subnet mask: Enter the subnet mask.

Default gateway: Enter the default gateway.

Use the following DNS server address

Select this when you set the fixed address as the IP address of DNS server.

Primary DNS server: Enter the IP address of the primary DNS server.

Secondary DNS server: Enter the IP address of the secondary DNS server, if necessary.

6. Connect to the IP camera with wireless IP address, then you can remove the Ethernet connection.

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Messenger

If Messenger option is selected On, you can set out the setting of MSN account. Messenger function provide an easy-connect feature. User can easy to know what camera's private and public IP address is.

Messenger

Messenger On Off

Protocol: msn

Login Account:

Password:

Re-type password:

Alias:

Port range: 20000 (1024 ~ 65531) ~ 21000 (1028 ~ 65535)

Video mode: Computer view Mobile view

IP Notification: On Off

Privacy: On Off

User:

Add Remove

Allow list:

OK Cancel

Protocol

support MSN only.

Login Account

Camera will use this account to login MSN server.

Password

password for this msn account.

Re-type password

re-type password to double confirm.

Alias

This alias will display on MSN nickname.

Port range

Select one port range for video transmission.

IP Notification

Switch the IP notification On / Off. **If this feature switches On**, camera will send IP notification to the users who are allowed.

Privacy

Switch privacy On / Off. **When privacy turns on**, only those users in allowed list can access the camera.

User

Input to this blank to edit allow list.

Allow list

When privacy turns on, only those users in allow list can access the camera.

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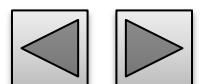
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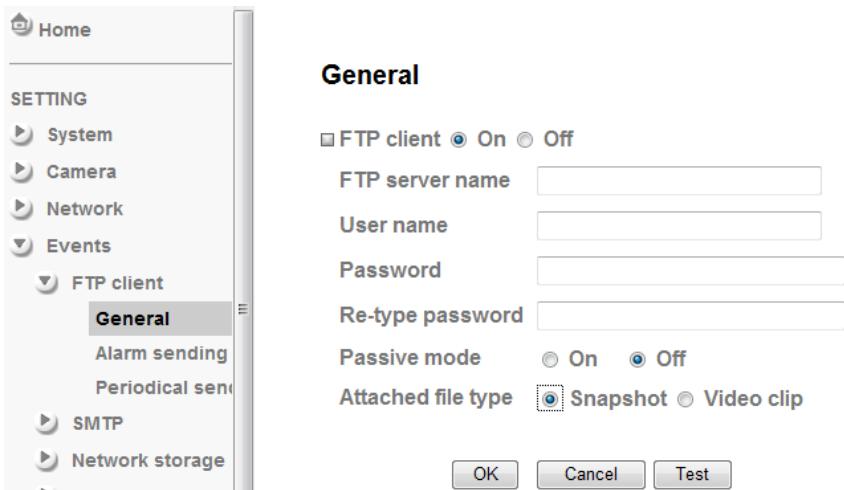
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FTP Client – general

Use this menu to set up for capturing and sending images to an FTP server. By using FTP client function, you can send the **image file** which has been shot and recorded linked with the built-in motion detection function to FTP server. FTP client setting menu is composed of two tabs, **General**, **Alarm sending** and **Periodical sending**.



Note

The frame rate and operability on the main viewer may decrease while a file is being transmitted by the FTP client function.

FTP server name

Type the FTP server name to upload still images up to 64 characters, or the IP address of the FTP server.

User name

Type the user name for the FTP server.

Password

Type the password for the FTP server.

Retype password

To confirm the password, type the same characters as you typed in the Password box.

Passive mode

Set whether you use the passive mode of FTP server or not when connecting to FTP server. Select **On** to connect to FTP server using the passive mode.

Attached File Type

You can choose snapshot or video clip for alarm sending.

Test

After setting the FTP server information, you can tick the test key to test if the connection between IP CAM and FTP server works.

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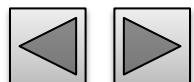
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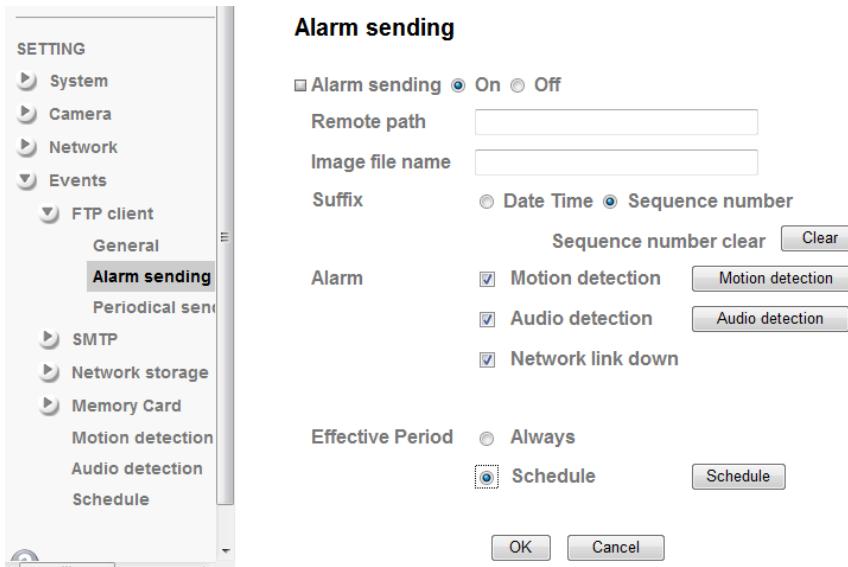
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FTP Client – alarm sending

Set to forward the **image file** to the specified FTP server linked with the alarm detection by the built-in motion detection function. Select **On** to send the image file to FTP server linked with the alarm detection.



Remote Path

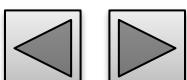
Type the path to the destination in FTP.

Image File Name

Type the file name you want to assign to the images when sending to the FTP server.

Note

1. You can set motion detection at motion detection page.
2. You can set schedule function at schedule page.



Suffix

Select a suffix to add to the file name.

Date & time

The date & time suffix is added to the Image file name.

Sequence number

The sequence number is added to the Image file name.

Sequence number clear

Click **Clear** and the suffix of the sequence number returns to 1.

Alarm

Select **Motion Detection/Audio Detection/Network Link Down** function as a sensor.

Effective period

Set the period when the periodical sending is effective.

Always

The periodical sending is always effective.

Schedule

You can specify the period when the periodical sending is effective in the Schedule setting in the other section.

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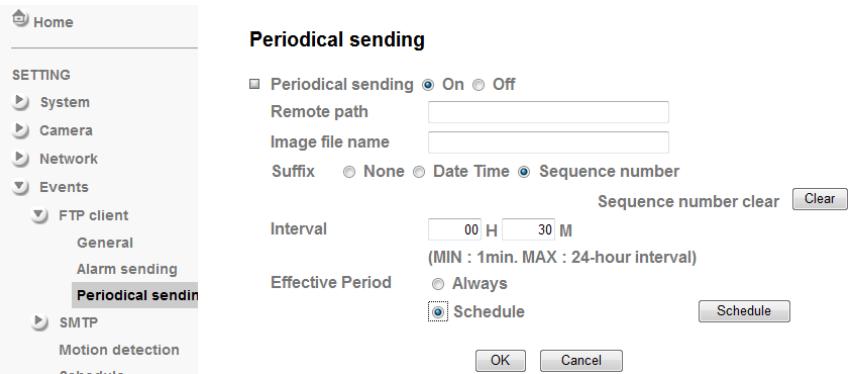
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Events

FTP Client – periodical sending

You can set to send an image file to FTP server periodically by selecting **On** to send the image file to FTP server linked with setting period.



Remote Path

Type the path to the destination in FTP.

Image File Name

Type the file name you want to assign to the images when sending to the FTP server.

Note

You can set schedule function at schedule page.

Suffix

Select a suffix to be added to the file name sent by SMTP.

None

The name of the sent file will be the Image file name.

Date & time

The date & time suffix is added to the Image file name.

Sequence number

The sequence number is added to the Image file name.

Sequence number clear

Click **Clear** and the suffix of the sequence number returns to 1.

Interval

Set the periodical sending is effective interval.

Effective period

Set the period when the periodical sending is effective.

Always

The periodical sending is always effective.

Schedule

You can specify the period when the periodical sending is effective in the Schedule setting in the other section.

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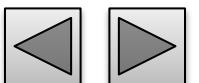
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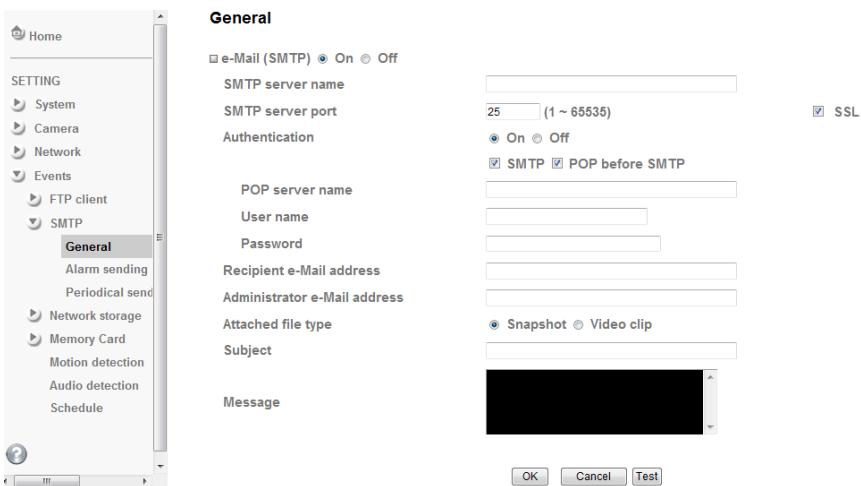
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SMTP – general

You can send a mail with attached **image file** which shot by external sensor input and motion detections or shot periodically.



SMTP Server Name

Type the SMTP server name or the IP address

SMTP Server Port

Set port number of your mail server. The default value is 25. Tick SSL box if the mail server you use has security restriction.

Authentication

Required when you send an email.

SMTP

Select if SMTP authentication is necessary when an e-mail is sent.

POP before SMTP

Select if POP before SMTP authentication is necessary when an e-mail is sent.

POP server name

Type the POP server name of the user.

User name, Password

Type the user name and Password of the user.

Recipient e-mail address

Type up to 3 recipient e-Mail addresses.

Administrator e-mail address

This address is used for reply mail and sending system messages from the SMTP server.

Attached File Type

Select snapshot or video clip for alarm sending.

Subject

Type the subject/title of the e-Mail.

Message

Type the text of the E-mail.

Note

If you use g-mail as your mail server, you should set 587 as your port number and tick SSL box.

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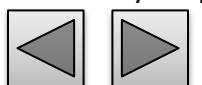
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SMTP – alarm sending

Set to send the mail with connection to the alarm detection. Select On to send the image file to SMTP server linked with the alarm detection.

The screenshot shows the 'Alarm sending' configuration page. Under 'File attachment', 'On' is selected. The 'Image file name' field is empty. Under 'Suffix', 'Sequence number' is selected. In the 'Alarm' section, 'Motion detection', 'Audio detection', and 'Network link down' are checked. Under 'Effective Period', 'Schedule' is selected. At the bottom are 'OK' and 'Cancel' buttons.

File attachment

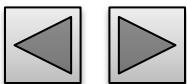
Set whether an image file is attached to the mail sent or not.

Image File Name

Type the file name you want to assign to the images when sending to the FTP server.

Note

1. You can set motion detection at motion detection page.
2. You can set schedule function at schedule page.



Suffix

Select a suffix to add to the file name.

Date & time

The date & time suffix is added to the Image file name.

Sequence number

The sequence number is added to the Image file name.

Sequence number clear

Click **Clear** and the suffix of the sequence number returns to 1.

Alarm

Select **Motion Detection/Audio Detection/Network Link Down** function as a sensor.

Effective period

Set the period when the periodical sending is effective.

Always

The periodical sending is always effective.

Schedule

You can specify the period when the periodical sending is effective in the Schedule setting in the other section.

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SMTP – periodical sending

You can set to send an image file by SMTP server periodically by selecting **On** to send the image file by SMTP server linked with setting period.

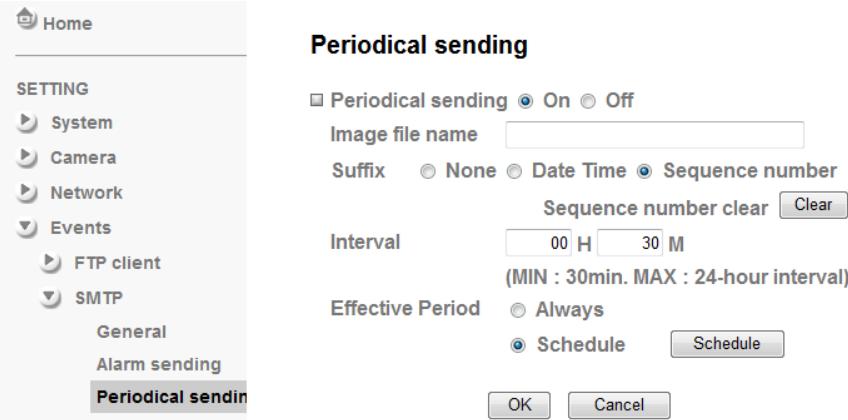


Image file name

Type the file name of the image sent by SMTP up to 10 alphanumeric characters, - (hyphen) and _ (under score).

Note

You can set schedule function at schedule page.

Suffix

Select a suffix to be added to the file name sent by SMTP.

None

The name of the sent file will be the Image file name.

Date & time

The date & time suffix is added to the Image file name.

Sequence number

The sequence number is added to the Image file name.

Sequence number clear

Click **Clear** and the suffix of the sequence number returns to 1.

Interval

Set the periodical sending is effective interval.

Effective period

Set the period when the periodical sending is effective.

Always

The periodical sending is always effective.

Schedule

You can specify the period when the periodical sending is effective in the Schedule setting in the other section.

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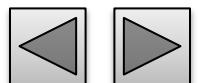
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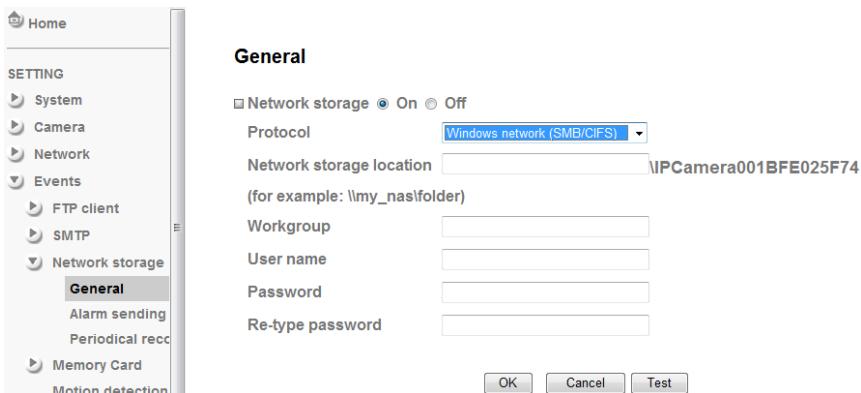
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Network Storage – general

Select On if you would like to use the network storage function. Then choose one protocol between Windows network (SMB/CIFS) and Unix network (NFS).



Protocol - Windows Network (SMB/CIFS):..

Network Storage Location

Type the IP or name of specified computer and folder. For example, //IP/folder name or // my_nas/folder name.

Workgroup

Type the name of workgroup which the operating computer belongs.

User Name & Password

Type the name and password for workgroup.

Attached File Type

You can choose snapshot or video clip for alarm sending. Select “Snapshot,” one snapshot will be transmitted to the specified network storage location while motion detection / audio detection / alarm input triggered. Select “Video clip,” one video clip which can be selected from 5 seconds to 60 seconds will be transmitted.

Test

After setting the network storage location information, you can tick the test key to test if the connection between IP CAM and network storage location works.

Protocol- Unix network (NFS):

Network Storage Location

Type the IP or name of specified computer and folder. For example, //IP/folder name or my_nas:/folder name.

Test

After setting the network storage location information, you can tick the test key to test if the connection between IP CAM and network storage location works.

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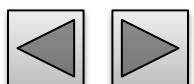
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Network Storage – alarm sending

Set to transmit the snapshot or video clip file with connection to the alarm detection. Select On to send the file to network storage location linked with the alarm detection.

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Alarm sending

Alarm sending On Off

Image file name

Suffix Date Time Sequence number

Alarm Motion detection
 Audio detection
 Network link down

Recording time Sec (5 - 60)

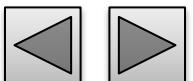
Effective Period Always Schedule

Image File Name

Type the file name you want to assign to the images when sending to the FTP server.

Note

1. You can set motion detection at motion detection page.
2. You can set schedule function at schedule page.



Suffix

Select a suffix to add to the file name.

Date & time

The date & time suffix is added to the Image file name.

Sequence number

The sequence number is added to the Image file name.

Sequence number clear

Click **Clear** and the suffix of the sequence number returns to 1.

Alarm

Select **Motion Detection/Audio Detection/Network Link Down** function as a sensor.

Recording Time

Select recording time from 5 to 60 minutes.

Effective period

Set the period when the periodical sending is effective.

Always

The periodical sending is always effective.

Schedule

You can specify the period when the periodical sending is effective in the Schedule setting in the other section.

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Network Storage – periodical sending

You can set to send an image file by SMTP server periodically by selecting **On** to send the image file by SMTP server linked with setting period.

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Periodical recording

Periodical recording On Off

Image file name

Suffix Date Time Sequence number

File size (1~50 MB)

Cyclic size (100~1024000 MB)

Recording time Always Schedule

Image file name

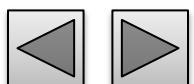
Type the file name of the image sent by SMTP up to 10 alphanumeric characters, - (hyphen) and _ (under score).

Suffix

Select a suffix to be added to the file name sent by SMTP.

Date & time

The date & time suffix is added to the Image file name.



Sequence number

The sequence number is added to the Image file name.

Sequence number clear

Click **Clear** and the suffix of the sequence number returns to 1.

File Size

The file size of image or video clip transmitted to the network storage location can't over 50MB.

Cyclic Time

The total amount of files transmitted to the network storage location has to be in the range from 100 to 1024000MB.

Recording Time

Set the period when the periodical sending is effective.

Always

The periodical sending is always effective.

Schedule

You can specify the period when the periodical sending is effective in the Schedule setting in the other section.

Note

You can set schedule function at schedule page.

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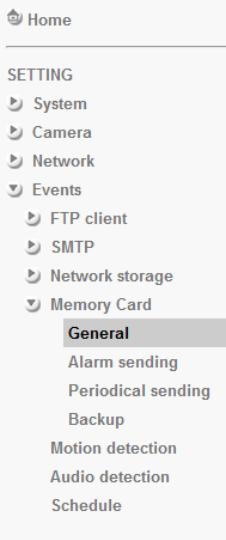
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Memory Card– general

Memory card provides local storage function for saving image files to the specified SD/SDHC card in your camera. This function can be enabled only when you insert SD/SDHC card to the camera and the SD/SDHC card works well.

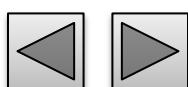


Card Status

Show the space free/total size of your memory card.

Note

1. If you use g-mail as your mail server, you should set 25 as your port number and tick SSL box.
2. When you set to On, be sure to select either or both SMTP or / and POP before SMTP.



Card Status Notification

Select **On** to enable card status notification.

Capacity Warning

Select capacity warning when the space free is 5%, 10%, 25% or 50%.

SMTP Server Name

Type the SMTP server name up to 64 characters, or the IP address of the SMTP server.

SMTP Server Port

You can set port number from 1~65535 according to your mail server. The default value is 25.

Security Setting

Tick SSL box if the mail server you use has security restriction.

Authentication

Select the authentication required when you send an email.

SMTP

Select if SMTP authentication is necessary when an e-mail is sent.

POP before SMTP

Select when POP before SMTP authentication is necessary when an e-mail is sent.

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General

Memory Card On Off
Card Status
Card status notification On Off
Capacity warning
SMTP server name
SMTP server port SSL
Authentication On Off
 SMTP POP before SMTP
POP server name
User name
Password
Recipient e-Mail address
Administrator e-Mail address

Overwrite On Off

POP server name

It is necessary when the **POP before SMTP** is selected in **Authentication**. Type the POP (receiving mail) server name up to 64 characters, or type the IP address of the POP server. This setting is necessary when the SMTP server which sends e-mails performs authentication using the POP user account.

User name, Password

Type the user name and Password of the user who has the mail account. This setting is necessary when the SMTP server which sends e-mails performs authentication.

Recipient e-mail address

Type the recipient e-Mail address up to 64 characters. You can specify up to three recipient E-mail addresses.

Administrator e-mail address

Type the Administrator e-Mail address up to 64 characters. This address is used for reply mail and sending system messages from the SMTP server.

Test

Click to test your SMTP setting works or not.

Overwrite

Select on to disable capacity warning and overwrite your memory card when space free is not enough.

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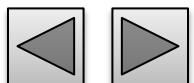
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Memory Card– general

File Manager

click to manage your memory card.

	IPCamera001BFE025F5E/	
<input type="button" value="Delete"/>	Save to network storage	<input type="button" value="File name"/>
<input type="checkbox"/> Select all	<input type="checkbox"/> Select all	
		Alarm/
		Backup/
		Period/

Refresh

Click to refresh this page.

Back

Click to back folder.

File Name

Click the following file name to forward folder.

Select All

Select all to delete or save to network storage.

Delete

Delete selected folder or files.

Save to network storage

Save selected folder or files to configured network storage.

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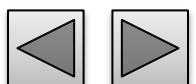
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Memory Card – alarm sending

Set to transmit the snapshot or video clip file with connection to the alarm detection. Select On to send the file to memory card location linked with the alarm detection.

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Alarm sending

Alarm sending On Off

Image file name

Suffix Date Time Sequence number

Alarm Motion detection
 Audio detection
 Network link down

Recording time sec. (1 to 60 sec.)

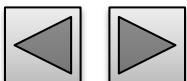
Effective Period Always Schedule

Image File Name

Type the file name you want to assign to the images when sending to the FTP server.

Note

1. You can set motion detection at motion detection page.
2. You can set schedule function at schedule page.



Suffix

Select a suffix to add to the file name.

Date & time

The date & time suffix is added to the Image file name.

Sequence number

The sequence number is added to the Image file name.

Sequence number clear

Click **Clear** and the suffix of the sequence number returns to 1.

Alarm

Select **Motion Detection/Audio Detection/Network Link Down** function as a sensor.

Recording Time

Select recording time from 5 to 60 minutes.

Effective period

Set the period when the periodical sending is effective.

Always

The periodical sending is always effective.

Schedule

You can specify the period when the periodical sending is effective in the Schedule setting in the other section.

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 - Periodical sending**

Periodical sending

Periodical sending On Off

Image file name

Suffix Date Time Sequence number

Sequence number clear

File size (1~50 MB)

Recording time Always Schedule

Image file name

Type the file name of the image sent by SMTP up to 10 alphanumeric characters, - (hyphen) and _ (under score).

Note

You can set schedule function at schedule page.

Suffix

Select a suffix to be added to the file name sent by SMTP.

Date & time

The date & time suffix is added to the Image file name.

Sequence number

The sequence number is added to the Image file name.

Sequence number clear

Click **Clear** and the suffix of the sequence number returns to 1.

File Size

The file size of image or video clip transmitted to the network storage location can't over 50MB.

Recording Time

Set the period when the periodical sending is effective.

Always

The periodical sending is always effective.

Schedule

You can specify the period when the periodical sending is effective in the Schedule setting in the other section.

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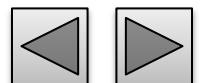
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Memory Card – backup

Save to Memory Card

Click check box to save files to memory card when
FTP or network storage shutdown.

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OK

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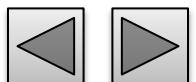
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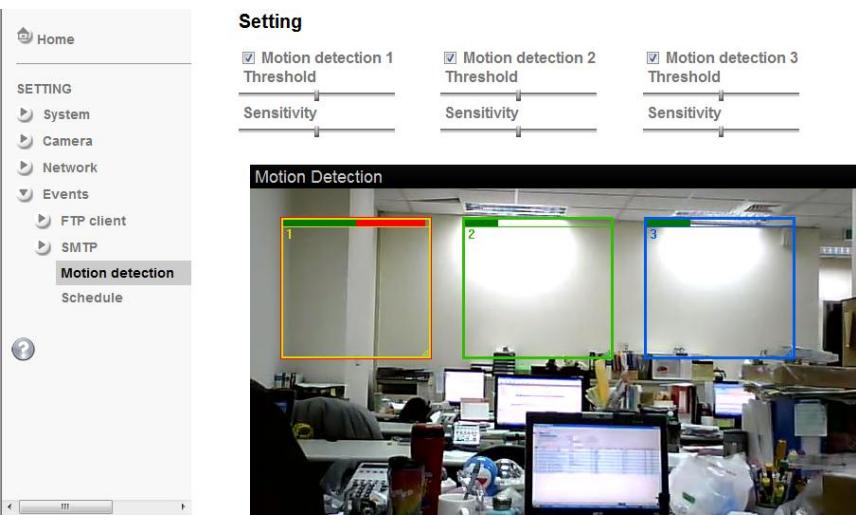
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Motion Detection

There are three Motion Detection functions as sensors to set for different detecting zones. Each one has Threshold and Sensitivity inputs which you can adjust to specific zone sequentially. Motion Detection function can support to FTP, SMTP and HTTP for capturing and sending images.



Threshold

It means the extent which the alarm will be triggered

Sensitivity

It means that how often the sensor will scan the image different. The higher sensitivity it is and the more frequently it scans.

Motion Detection 1, 2 and 3

Click it on for using **Motion Detection 1,2 and 3** function as a sensor. You can adjust and move the detecting zone by using mouse.

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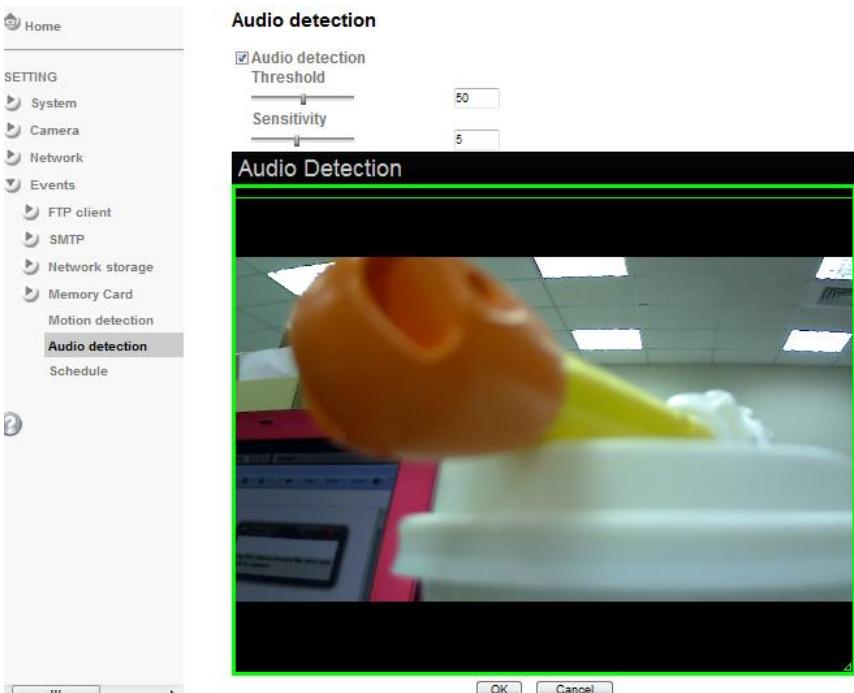
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Audio Detection

The **Audio detection** has Threshold and Sensitivity inputs which you can adjust sequentially. Audio Detection function can support to **FTP Client, SMTP, Network Storage, Memory Card** and so on. Click it on for using **Audio Detection** function as a sensor. You can set audio detection function at the audio detection function screen.



Threshold

It means the extent which the alarm will be triggered. The default value is 50 and the value range is 0~100.

Sensitivity

It means that how often the sensor will scan the image different. The higher sensitivity it is and the more frequently it scans. The default value is 5 and the value range is 1~10.

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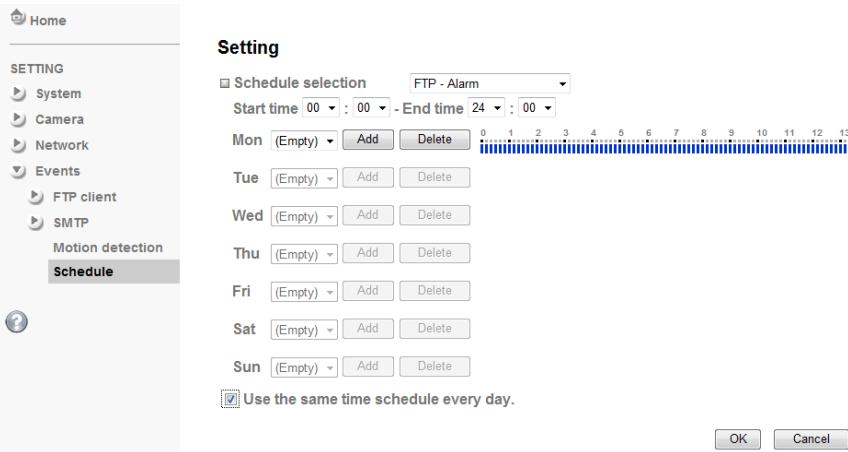
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Schedule

This is the same menu as the setting menu which is displayed when you click **Schedule** to set Effective period and Schedule in **FTP** client setting menu and e-Mail (**SMTP**) setting menu.



Schedule Selection

Select the list box to specify the schedule you want to set.

FTP -Alarm

FTP - Periodical

e-Mail (SMTP) -Alarm

e-Mail (SMTP) -Periodical

Record – Alarm

Record – Periodical

Memory Card – Alarm

Memory Card - Periodical

Mon (Monday) to Sun (Sunday)

The time period on the right of the checked day is the effective period of the schedule.

Start time, End time

Specify the **Start time** and the **End time**.

Use the same time schedule every day

When this is checked, the **Start time** and **End time** set to **Mon** (Monday) are applied to all days. In this case, the **Start time** and **End time** of the other days than **Mon** (Monday) cannot be input.

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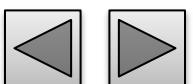
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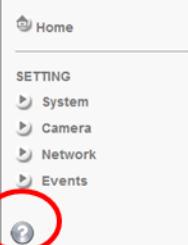
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Help

Help

HELP is an online help and support. It provide solutions immediately.



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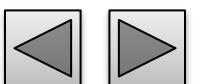
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Mega Mode

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Mega Mode

VGA Mode

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Frame Rate and Bitrate Table

H.264 @ 15fps / Kbps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	1500	1200	180	50
Detailed	400	250	100	30
Good	250	100	80	20
Standard	100	60	50	15
Medium	80	50	40	10

H.264 @ 10fps / Kbps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	1000	800	120	30
Detailed	280	100	70	20
Good	170	70	55	15
Standard	70	40	30	10
Medium	55	30	20	8

H.264 @ Kbps, fps

Image-Size	Bitrate Setting	Frame-Rate Setting	Current Bitrate	Current Frame-Rate
1280*1024	6144	15	6300	15
1280*1024	6144	10	6300	10
1280*1024	2048	15	2200	15
1280*1024	2048	10	2200	10
1280*1024	512	15	550	15
1280*1024	512	10	550	10
1280*720	6144	15	6300	15
1280*720	6144	10	6300	10
1280*720	2048	15	2200	15
1280*720	2048	10	2200	10
1280*720	512	15	550	15
1280*720	512	10	550	10
640*480	6144	15	6300	15
640*480	6144	10	6300	10
640*480	2048	15	2200	15
640*480	2048	10	2200	10
640*480	512	15	550	15
640*480	512	10	550	15
320*240	6144	15	5100	15
320*240	6144	10	3600	10
320*240	2048	15	2200	15
320*240	2048	10	2200	10
320*240	512	15	550	15
320*240	512	10	550	10

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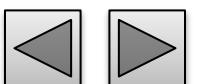
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Frame Rate and Bitrate Table

MPEG4 @ 15fps / Kbps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	2700	2000	300	100
Detailed	1100	800	200	80
Good	500	350	150	60
Standard	350	250	100	40
Medium	300	200	80	35

MPEG4 @ 10fps / Kbps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	1800	1400	200	80
Detailed	800	550	120	60
Good	350	250	100	40
Standard	250	180	80	30
Medium	200	140	60	25

MPEG4 @ Kbps, fps

Image-Size	Quality Setting	Frame-Rate Setting	Current Bitrate	Current Frame-Rate
1280*1024	6144	15	5500	13
1280*1024	6144	10	6300	10
1280*1024	2048	15	2200	15
1280*1024	2048	10	2200	10
1280*1024	512	15	550	15
1280*1024	512	10	550	10
1280*720	6144	15	6300	15
1280*720	6144	10	6300	10
1280*720	2048	15	2200	15
1280*720	2048	10	2200	10
1280*720	512	15	550	15
1280*720	512	10	550	10
640*480	6144	15	6300	15
640*480	6144	10	6300	10
640*480	2048	15	2200	15
640*480	2048	10	2200	10
640*480	512	15	550	15
640*480	512	10	550	10
320*240	6144	15	2200	15
320*240	6144	10	1800	10
320*240	2048	15	2200	15
320*240	2048	10	1800	10
320*240	512	15	550	15
320*240	512	10	550	10

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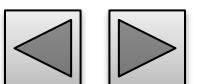
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Frame Rate and Bitrate Table

MJPEG @ 15fps / Kbps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	22000	16000	6000	2200
Detailed	12000	7000	3000	1200
Good	7000	5000	2500	1000
Standard	5500	4000	2000	800
Medium	4000	3000	1200	500

MJPEG @ 10fps / Kbps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	15000	11000	4000	1500
Detailed	8000	5000	2000	800
Good	5000	3500	1800	700
Standard	4000	3000	1500	600
Medium	3000	2000	800	350

MJPEG @ Kbps, fps

Image-Size	Quality Setting	Frame-Rate Setting	Current Bitrate	Current Frame-Rate
1280*1024	Excellent	15	22000	15
1280*1024	Excellent	10	15000	10
1280*1024	Good	15	7000	15
1280*1024	Good	10	5000	10
1280*1024	Medium	15	4000	15
1280*1024	Medium	10	3000	10
1280*720	Excellent	15	16000	15
1280*720	Excellent	10	11000	10
1280*720	Good	15	5000	15
1280*720	Good	10	3500	10
1280*720	Medium	15	3000	15
1280*720	Medium	10	2000	10
640*480	Excellent	15	6000	15
640*480	Excellent	10	4000	10
640*480	Good	15	2500	15
640*480	Good	10	1800	10
640*480	Medium	15	1200	15
640*480	Medium	10	800	10
320*240	Excellent	15	2200	15
320*240	Excellent	10	1500	10
320*240	Good	15	1000	15
320*240	Good	10	700	10
320*240	Medium	15	500	15
320*240	Medium	10	350	10

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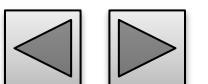
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Frame Rate and Bitrate Table

H.264 @ 30fps / Kbps

Quality	640*480	320*240
Excellent	600	60
Detailed	120	40
Good	60	30
Standard	50	25
Medium	40	20

H.264 @ 15fps / Kbps

Quality	640*480	320*240
Excellent	400	40
Detailed	80	30
Good	40	25
Standard	30	20
Medium	25	15

H.264 @ Kbps, fps

Image-Size	Bitrate Setting	Frame-Rate Setting	Current Bitrate	Current Frame-Rate
640*480	6144	30	6300	30
640*480	6144	15	6300	15
640*480	2048	30	2200	30
640*480	2048	15	2200	15
640*480	512	30	550	30
640*480	512	15	550	15
320*240	6144	30	6300	30
320*240	6144	15	5500	15
320*240	2048	30	2200	30
320*240	2048	15	2200	15
320*240	512	30	550	30
320*240	512	15	550	15

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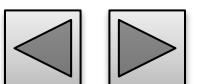
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Frame Rate and Bitrate Table

MPEG4 @ 30fps / Kbps

Quality	640*480	320*240
Excellent	1000	120
Detailed	400	80
Good	200	60
Standard	150	50
Medium	120	40

MPEG4 @ 15fps / Kbps

Quality	640*480	320*240
Excellent	600	80
Detailed	250	50
Good	150	40
Standard	100	30
Medium	80	20

MPEG4 @ Kbps, fps

Image-Size	Bitrate Setting	Frame-Rate Setting	Current Bitrate	Current Frame-Rate
640*480	6144	30	6300	30
640*480	6144	15	6300	15
640*480	2048	30	2200	30
640*480	2048	15	2200	15
640*480	512	30	550	30
640*480	512	15	550	15
320*240	6144	30	5100	30
320*240	6144	15	2800	15
320*240	2048	30	2200	30
320*240	2048	15	2200	15
320*240	512	30	550	30
320*240	512	15	550	15

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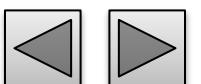
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Frame Rate and Bitrate Table

MJPEG @ 30fps / Kbps

Quality	640*480	320*240
Excellent	13000	4500
Detailed	6500	2500
Good	5000	2000
Standard	4000	1600
Medium	2500	1000

MJPEG @ 15fps / Kbps

Quality	640*480	320*240
Excellent	7000	2500
Detailed	3500	1500
Good	2800	1200
Standard	2100	1000
Medium	1400	700

MJPEG @ Kbps, fps

Image-Size	Bitrate Setting	Frame-Rate Setting	Current Bitrate	Current Frame-Rate
640*480	Excellent	30	13000	30
640*480	Excellent	15	7000	15
640*480	Good	30	5000	30
640*480	Good	15	2800	15
640*480	Medium	30	2500	30
640*480	Medium	15	1400	15
320*240	Excellent	30	4500	30
320*240	Excellent	15	2500	15
320*240	Good	30	2000	30
320*240	Good	15	1200	15
320*240	Medium	30	1000	30
320*240	Medium	15	700	15

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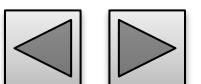
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Storage Requirement Table

H.264 Storage Requirement GB / channel / day @ 15fps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	50	45	10	4.2
Detailed	16.6	13	8.3	2.5
Good	13	8.3	6.7	1.7
Standard	8.3	5	4.2	1.3
Medium	6.7	4.2	3.4	1

H.264 Storage Requirement GB / channel / day @ 10fps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	45	22.5	6.7	2.5
Detailed	12.5	8.3	5.9	1.7
Good	8.3	5.9	4.6	1.3
Standard	5.9	3.4	2.5	1.3
Medium	4.5	2.5	2.1	0.7

H.264 Storage Requirement GB / channel / day

Image-Size	Bitrate Setting	Frame-Rate Setting	Storage Requirement
1280*1024	6144	15	522.9
1280*1024	6144	10	522.9
1280*1024	2048	15	182.6
1280*1024	2048	10	182.6
1280*1024	512	15	45.7
1280*1024	512	10	45.7
1280*720	6144	15	522.9
1280*720	6144	10	522.9
1280*720	2048	15	182.6
1280*720	2048	10	182.6
1280*720	512	15	45.7
1280*720	512	10	45.7
640*480	6144	15	522.9
640*480	6144	10	522.9
640*480	2048	15	182.6
640*480	2048	10	182.6
640*480	512	15	45.7
640*480	512	10	45.7
320*240	6144	15	423.3
320*240	6144	10	298.8
320*240	2048	15	182.6
320*240	2048	10	182.6
320*240	512	15	45.7
320*240	512	10	45.7

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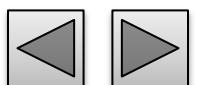
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Storage Requirement Table

MPEG4 Storage Requirement GB / channel / day @ 15fps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	133	83	25	8.3
Detailed	58.1	42	17	6.7
Good	42	25	12.5	5
Standard	30	21	8.3	3.4
Medium	25	17	6.7	3

MPEG4 Storage Requirement GB / channel / day @ 10fps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	92	58.1	17	6.7
Detailed	42	30	10	5
Good	30	17	8.3	3.4
Standard	21	12.5	6.7	2.5
Medium	17	10	5	2

MPEG4 Storage Requirement GB / channel / day

Image-Size	Quality Setting	Frame-Rate Setting	Storage Requirement
1280*1024	6144	15	431.6
1280*1024	6144	10	522.9
1280*1024	2048	15	182.6
1280*1024	2048	10	182.6
1280*1024	512	15	45.7
1280*1024	512	10	45.7
1280*720	6144	15	522.9
1280*720	6144	10	522.9
1280*720	2048	15	182.6
1280*720	2048	10	182.6
1280*720	512	15	45.7
1280*720	512	10	45.7
640*480	6144	15	522.9
640*480	6144	10	522.9
640*480	2048	15	182.6
640*480	2048	10	182.6
640*480	512	15	45.7
640*480	512	10	45.7
320*240	6144	15	182.6
320*240	6144	10	149.4
320*240	2048	15	182.6
320*240	2048	10	149.4
320*240	512	15	45.7
320*240	512	10	45.7

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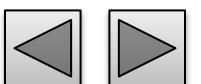
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Storage Requirement Table

H.264 Storage Requirement GB / channel / day @ 30fps

Quality	640*480	320*240
Excellent	21	5
Detailed	10	3.4
Good	5	2.5
Standard	4.2	2.1
Medium	3.4	1.7

H.264 Storage Requirement GB / channel / day @ 15fps

Quality	640*480	320*240
Excellent	12.5	3.4
Detailed	6.7	2.5
Good	3.4	2.1
Standard	2.5	1.7
Medium	2.1	1.3

H.264 Storage Requirement GB / channel / day

Image-Size	Bitrate Setting	Frame-Rate Setting	Current Bitrate	Storage Requirement
640*480	6144	30	6300	522.9
640*480	6144	15	6300	522.9
640*480	2048	30	2200	182.6
640*480	2048	15	2200	182.6
640*480	512	30	550	45.7
640*480	512	15	550	45.7
320*240	6144	30	6300	522.9
320*240	6144	15	5500	456.5
320*240	2048	30	2200	182.6
320*240	2048	15	2200	182.6
320*240	512	30	550	45.7
320*240	512	15	550	45.7

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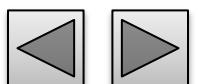
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Storage Requirement Table

MPEG4 Storage Requirement GB / channel / day @ 30fps

Quality	640*480	320*240
Excellent	50	10
Detailed	25	6.7
Good	16.7	5
Standard	12.5	4.2
Medium	10	3.4

MPEG4 Storage Requirement GB / channel / day @ 15fps

Quality	640*480	320*240
Excellent	33.2	6.7
Detailed	16.7	4.2
Good	12.5	3.4
Standard	8.3	2.5
Medium	6.7	1.7

MJPEG Storage Requirement GB / channel / day

Image-Size	Bitrate Setting	Frame-Rate Setting	Current Bitrate	Storage Requirement
640*480	6144	30	6300	522.9
640*480	6144	15	6300	522.9
640*480	2048	30	2200	182.6
640*480	2048	15	2200	182.6
640*480	512	30	550	45.7
640*480	512	15	550	45.7
320*240	6144	30	5100	423.3
320*240	6144	15	2800	232.4
320*240	2048	30	2200	182.6
320*240	2048	15	2200	182.6
320*240	512	30	550	45.7
320*240	512	15	550	45.7

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